

Bear Facts

The Official Magazine of California Wing Civil Air Patrol

On Board the USS Hornet



PRESCOTT, AZ



AVIATION AT THE HIGHEST LEVEL

Embry-Riddle Aeronautical University offers the world's most comprehensive collection of academic programs in aviation, aerospace, intelligence and cybersecurity.

We also produce more commissioned officers, pilots and rated officers than any other AFROTC detachment in the country.

- ▶ #1 Regional College, #1 Most Innovative College in the West and #1 Best Colleges for Veterans in the West, "U.S. News and World Report"
- ▶ 23 Average Class Size on the Prescott Campus
- ▶ 96% employed or continuing education within one year of graduation

prescott.erau.edu/cap

See where you can go
with Embry-Riddle



EMBRY-RIDDLE
Aeronautical University

Bear Facts

The Official Magazine of California Wing Civil Air Patrol

Bear Facts is an authorized publication serving the interests of the California Wing of the United States Air Force Auxiliary Civil Air Patrol. It is published by a private firm in no way connected with the Department of the Air Force or with the Civil Air Patrol Corporation. The appearance of advertisements in this publication, including supplements and inserts, does not constitute an endorsement by the U.S. Air Force or CAP of the products and services advertised herein.

Bear Facts encourages contributions from all CAP members, military personnel, and related agencies. Material must be original, free of copyright constraint, unpublished, and submitted only to *Bear Facts* magazine, which reserves the right to approve, reject, edit, abridge, or expand any submission. Ideas for feature articles should be discussed in advance with the Editor, Lt. Col. David Oberhettinger.

Submission guidelines: As a thrice-yearly publication, the magazine is not suitable for dated material on routine Squadron or Wing activities. PAOs and other correspondents should generally avoid subjects and styles typical of newsletters. Use the *Associated Press Stylebook* or read the latest magazine for style points. Never imbed photographs within documents. Send photographs as separate email attachments with complete captions. Always include contact information at the top of copy. Email articles, along with .jpg-extension photographs of a minimum one Mbyte resolution or higher, to: david.oberhettinger@cawgcap.org. Other material should be sent to California Wing Civil Air Patrol, Attn: *Bear Facts*, P.O. Box 7688, Van Nuys, CA 91409.

For information on advertising rates and space availability, please call 1-800-635-6036.

Col. Ross E. Veta
California Wing Commander

Lt. Col. David Oberhettinger
Asst. Director of Public Affairs
Editor, *Bear Facts* Magazine

Commander's Corner

By Col. Ross E. Veta, CAP
Commander, California Wing



Dear Fellow California Wing Members,

Every day I am reminded of the power and opportunity that each and every one of us has to enrich the lives of others through our membership in this great organization. Whether it be searching for a downed aircraft and rescuing its occupants, to handing out meals at a food bank, or whether it is simply helping a fellow member through tough times, or encouraging each other, the power lies within us all. It is up to each and every one of us to seize the opportunity to enrich someone's life every time it presents itself and do what we believe is right. Every time you change a life for the better, you change the world for someone, for it is through the eyes of those we influence that the world exists, just as it does through our own eyes. Every time we enrich someone's life the world becomes a better place not just for those we assist or influence but through our own personal growth as humanitarians.

Over the past 4 years I have witnessed the kind and powerful heart of this organization, the charitable attitude, the humanitarian spirit. I have witnessed the growth of our organization as well as the individuals within, all fueled by the spirit of our professional volunteers. I am so proud of where this Wing has come with its growth, expansion, and development. The professional volunteer spirit is as vibrant today as it has ever been in California Wing. I want to thank each and every one of you for being part of this great organization, for your volunteer spirit, your compassion and your caring. You change the lives of so many for the better each and every day. As I've said before, I am grateful and honored to have the opportunity to serve others with people so fine as you. Thank you all for all you do for us all.

Best regards,
Col. Ross E. Veta, CAP
California Wing Commander

ON THE COVER: Members of Lt. Col. Arthur King Composite Squadron 50 tour the USS Hornet Sea, Air & Space Museum.



KCSI PATROLS PIPELINES & OIL FIELDS
in Western, Southwest, Rocky Mountain
and Gulf Coast States.

PATROL SERVICES:

- OIL FIELD PRODUCTION PATROL
- PIPELINE PATROL
- UNMANNED AERIAL SYSTEMS (DRONES)
- METHANE DETECTION
- LIDAR and MAPPING

HEADQUARTERS:
BAKERSFIELD MEADOWS FIELD
1105 Douglas St., Ste. 200
Bakersfield, CA 93308
office: (661) 834-6870



*PROUD TO
SUPPORT CAP!*

www.kcsiaerialpatrol.com



On Board the USS Hornet with Composite Squadron 50

By Capt. Joseph LeChuga, CAP

It was hot! California's Central Valley has been breaking records this summer, with temperatures reaching over 110° Fahrenheit! So, the cadets and senior members of Lt. Col. Arthur King Composite Squadron 50 in Modesto were looking forward to spending some time along the cool waters of Alameda on the San Francisco Bay. Especially when that entailed getting a special tour and an overnight stay on board the Navy aircraft carrier USS Hornet.

The USS Hornet Sea, Air & Space Museum is an actual U.S.



Cadets on the flight deck with a Navy trainer aircraft. Photo credit: Cadet Chief Master Sgt. Jonah Bird



From the back row, left to right: 2nd Lt. Danell Daniels, Cadet 2nd Lt. William Haskett, Cadet Staff Sgt. Jacob Bird, Cadet Master Sgt. Noah Bird, Cadet Chief Master Sgt. Jonah Bird, Cadet Chief Master Sgt. Noah Daniels, Cadet Airman 1st Class Dale Torres, Cadet 2nd Lt. Judah Corkwell, and Capt. Joe LeChuga.

From the front row, left to right: Cadet Airman Millicent Holderbein, Cadet Airman Izaac Aguilar, Cadet Airman Dayna Moran, Cadet Airman Grant Fahrney, Cadet Airman Brennan Vita, and Cadet Senior Master Sgt. Grace Benham. Photo credit: Cadet Chief Master Sgt. Jonah Bird

Navy aircraft carrier which was in service during World War II, Korea, and Vietnam, and played critical roles in the early NASA space program. The exhibits and aircraft they have on display show the long and honored history of this great ship.

After leaving our squadron headquarters building at Modesto Airport on Saturday afternoon, we traveled an hour and a half to our big new home for the night.

Once we reported to the gangway, our docent Lou Somontes took us on board and straight to our berthing area below decks where we picked our bunks and dropped off our luggage. Then it was back up to the hangar deck which served as our assembly area. After Lou gave us the standard Safety Briefing for overnight guests, he led us down a couple of decks to our awaiting dinner. Lasagna—yum!

LEARN TO FLY



QUALIFY TO BECOME A CERTIFIED AIRLINE PILOT IN 18 MONTHS OR LESS.

**HEAVILY DISCOUNTED TUITION
PROGRAM DISCOUNTS FOR**

Active College Students

Women Aviators

Members of:

Civil Air Patrol

US Military

US Veterans

Law Enforcement

Fire Department

Service Members

**FREE IN PERSON GROUND SCHOOL PROGRAM AT
JOHN WAYNE AIRPORT CAMPUS**

**FOR A CAREER TRAINING ORIENTATION APPOINTMENT &
A FREE 30 MINUTE FLIGHT DEMO FOR ENROLLING STUDENTS**

**CALL
NOW (949) 756-1300**

"Training to live by"

ORANGE COUNTY FLIGHT CENTER

A FAA APPROVED PART 141 FLIGHT SCHOOL

"Where excellence is a standard and flight safety comes first"

19531 CAMPUS DRIVE, #4, SANTA ANA, CA 92707

OCFC.com

After dinner, our very informative guide took us straight up to the flight deck where he explained all the complicated workings of the machines and sailors interacting in the launching and recovery of aircraft. This delicate and dangerous ballet on the open sea has claimed the lives of those who did not stay alert. Lucky for us, the museum doesn't move.

From the flight deck Lou took us to "The Island," which is the superstructure of the ship, and to the rest of the carrier. We went up to the bridge, to the officers' ward room, the catapult room, sick bay, the Chiefs Galley, the G-Dunk (sort of a snack bar), the brig, the engine room, and the CIC (Combat Information Center)—just to name a few. It was a very thorough tour, but soon it was time to turn in. So back down to the enlisted berthing we went. After arranging our bed and gear, it was Lights Out. It didn't take long before our entire squadron was fast asleep.



Our USS Hornet Guide, Lou Somontes, familiarizes cadets with the instruments on the Bridge of the ship. Photo credit: Cadet Chief Master Sgt. Jonah Bird



Capt. LeChuga and Squadron 50 cadets pay close attention as Lou Somontes explains the process of launching an aircraft in the catapult room. Photo credit: Cadet Chief Master Sgt. Jonah Bird



Cadet Airman Millicent Holderbein studies the information in the NASA exhibit. Photo credit: Capt. Joe LeChuga

Sunday morning, September 11, began with Lights On at 0700. Once everyone was out of the head (Navy for bathroom) and dressed, it was time to pack up and scramble upstairs to the assembly area for breakfast. In the assembly area we fell in for formation; the senior cadets took an accountability report, then formed the squadron into a single file line to cue up for breakfast. It was breakfast burritos this morning with juice, water and coffee. (I will say that personally, I thought the coffee was very good!)

Now it was time for us to pay for our stay by helping out the crew with chores. Our task was to change the mattress covers on the bunks in a forward berthing area. Lou was there to show us what to do. After a slow start, the squadron got the hang of it and was soon working at a steady pace, accomplishing the mission.

We then had some free time to grab some lunch



ACCELERATED PATHWAY

TO AVIATION CAREERS

ASK ABOUT
OUR \$10,000
TUITION
REDUCTION



California Aeronautical University is preparing the next generation of aviation professionals. With locations in California and Arizona, CAU courses are delivered in a fast-paced schedule that enables students to enter the pipeline for aviation careers more quickly. Flight students fly in their first term.

- **FINANCIAL AID AND SCHOLARSHIPS**
TO THOSE WHO QUALIFY
- **GRADUATE IN ABOUT 3 YEARS**
DEGREE & UP TO 6 CERTIFICATES / RATINGS
- **250-500 FLIGHT-HOUR REDUCTION**
TOWARDS R-ATP FOR ELIGIBLE STUDENTS
- **DIRECT PATHWAY TO AIRLINE
CADET PROGRAMS**



LEARN MORE

CALL (661) 387-2294 | VISIT calaero.edu/bear-facts

Contra Costa County Airports | *"The Place You Want to Be"*

Linking Transportation, Business and the Community

BYRON AIRPORT is the gateway to East Contra Costa County for general aviation and recreational aviation activities including skydiving and gliders. Byron Airport also offers pilots the lowest priced 100 low lead fuel prices in the region.

BUCHANAN FIELD is a fine class, full service regional airport centrally located in the heart of the Bay Area between beautiful San Francisco and the spectacular wine country. Buchanan Field has excellent regional access as it is bordered by Interstate 680 and State Highway 4 plus BART is nearby. Added benefits include:

- Renovated Runways and Airport Lighting
- Executive and General Aviation Hangars
- Full Service FBOs & Specialty Aviation Services
- On-site Hotel and Golf Course
- Scheduled commercial service to Burbank



Contra Costa County Airports
Buchanan Field & Byron
Linking Transportation, Business and the Community



www.ContraCostaCountyAirports.org

(844) Fly-ToUS or (844) 359-8687

from a burger vendor, visit the gift shop, and examine the many exhibits on the hangar deck. The NASA exhibit on board included an Apollo Test Capsule, the Mobile Quarantine Facility, and the actual Sikorsky SH-3H SeaKing helicopter which recovered the Gemini 4 crew after splashdown in the Atlantic Ocean while serving aboard the USS Wasp in 1965.

This Sunday being September 11, before leaving the USS Hornet, we had a moment of silence and a formation to pay tribute to the flag in honor of all the 9/11 fallen. Then it was time to leave the ship and head out to our vehicles for our ride back to Squadron 50 Headquarters in Modesto.

At our Final Formation before leaving the squadron headquarters, I asked one question of every cadet (Cadet 2nd Lt. William Haskett, Cadet 2nd Lt. Judah Corkwell, Cadet Chief Master Sgt. Noah Daniels, Cadet Chief Master Sgt. Jonah Bird, Cadet Senior Master Sgt. Grace Benham, Cadet Master Sgt. Noah Bird, Cadet Staff Sgt. Jacob Bird, Cadet Airman 1st Class Dale Torres, Cadet Airman Millicent Holderbein, Cadet Airman Izaac Aguilar, Cadet Airman Dayna Moran, Cadet Airman Grant Fahrney, and Cadet Airman Brennan Vita) and every senior member (SM Tanya Van Oostende, 2nd Lt. Barry Van Oostende, and 2nd Lt. Daniels). That question was: “Who would like to go back again next year?” Every hand was up...including mine!



Squadron 50 cadets pay tribute to The Colors to honor all the 9/11 fallen. Photo credit: Capt. Joe LeChuga

Editor's Note:

I deeply regret to inform you that Capt. Joseph LeChuga, Commander of Lt. Col. Arthur King Composite Squadron 50 in Modesto, died on 11 February 2023 after a battle with cancer. Capt. LeChuga joined Civil Air Patrol in June of 1983 as a member of Sierra Composite Squadron 72 in Stockton. The activities in the above article typified his commitment to CAP.

\$1,000 ENROLLMENT DISCOUNT
PLUS YOUR CAP SQUADRON
GETS \$1,000 DONATION
WITH REFERRAL CODE: CAP

*Civil Air Patrol Cadets are invited for
one hour of free full-motion simulator time
at Sling Pilot Academy –
just bring your credentials.*



**PILOT
CAREER**

**ACADEMY
SCHOLARSHIP
\$20,000**

**PROFESSIONAL
PILOT COURSE**

9 MONTH FULL-TIME COURSE
Zero to Commercial Pilot
Work as a CFI to build hours
Ratings achieved: PPL, Instrument,
Commercial SEL & MEL, CFI, MEI, CFII

STAY CONNECTED
[instagram.com/slingpilotacademy](https://www.instagram.com/slingpilotacademy)
[facebook.com/slingpilotacademy](https://www.facebook.com/slingpilotacademy)
twitter.com/slingpilot

ENROLLMENT FOR THIS SEASON ARE

MAY 17 2021, AUG. 16 2021, NOV. 15 2021, FEB. 14 2022

Sling
PILOT ACADEMY

Learn More at [slingpilotacademy.com](https://www.slingpilotacademy.com) or call 424-250-0648.
We are located in the South Bay at Torrance Municipal Airport
at 3401 Airport Drive, Torrance CA 90505



**TRUCKEE
TAHOE
AIRPORT**

Community Partner

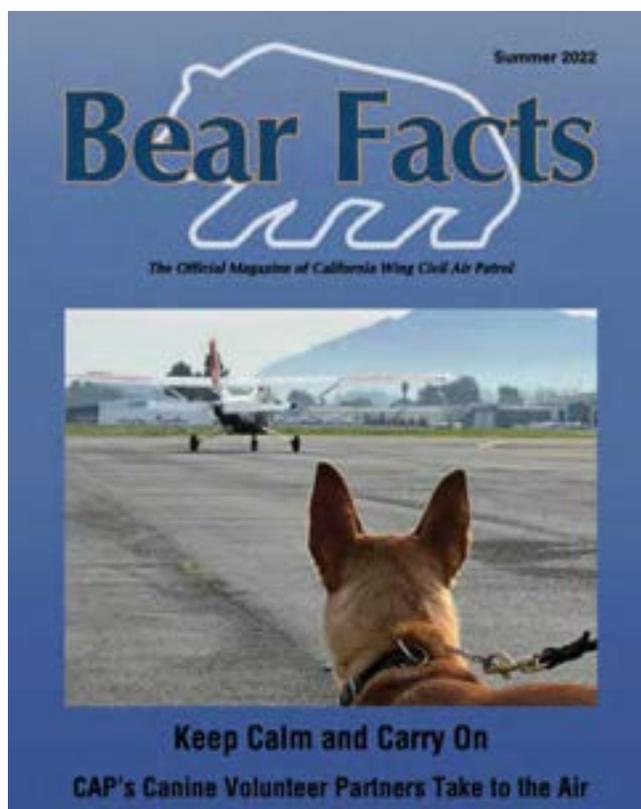
A proud supporter of the Civil Air Patrol and the
Tahoe-Truckee Composite Squadron

www.TruckeeTahoeAirport.com  

On Guard & Bear Facts Win Top Public Affairs Award

Magazines they edited earned three public affairs officers from the California and Alaska wings first-place Balsem Awards in the national Maj. Howell Balsem Civil Air Patrol Public Affairs Exceptional Achievement Awards for 2022, with the California Wing's Lt. Col. Noel Luneau honored for Best in Show. The Balsem awards program is named for Civil Air Patrol's first Public Affairs Officer (PAO), who served as an Army Air Forces officer during World War II and then as CAP PAO from 1949-1956. The awards competition provides CAP PAOs with the opportunity for recognition for outstanding achievement in up to 11 categories, including Magazine, External Media Coverage, and Social Media.

Their Balsems were announced Aug. 27 at the CAP National Conference in Louisville, Kentucky, along with three second-place Awards of Excellence in three categories and 11 Certificates of Merit in five categories. They were selected from 70 entries in nine categories.



Lt. Col. Luneau is PAO for San Francisco Bay Group 2 and Tri-Valley Composite Squadron 156. In choosing his group's *On Guard Magazine* for not only a Balsem but also the Maj. Al Pabon Best in Show Balsem Award, one judge in the competition praised it as “overall very clean and easy to read.” “The range of topics covered in each issue is extensive,” another judge said. “The use of embedded videos is a positive.” The Group 2 monthly on-line magazine published its first issue in July 2021.

Lt. Col. Oberhettenger edits the California Wing magazine *Bear Facts* as Assistant Wing PAO. One judge lauded the publication's “wide variety of stories,” adding that “the editor makes good use of larger images to make the magazine more visually appealing and easier to read.” A second judge complimented the “good use of photos within a mixed two-column format.” Formerly a magazine delivered by U.S. Mail, *Bear Facts* (like many CAP wing magazines) is presently transitioning to a digital, on-line format.



www.apraviation.com

CP3R431L

5041 E. Anderson Ave., Fresno

*Engine Monitoring
EIS TXi*



Grateful to support
the airmen and cadets
of the Civil Air Patrol

G3X Touch



APR Aviation
800-982-8466

March Inland Port (KRIV)
Located at the March Air Reserve Base
Riverside, California

OPEN TO THE PUBLIC



THE FUTURE IS NOW!

GRASP OPPORTUNITY!

Experience Economic
& Logistical Advantages



17405 Heacock St., Moreno Valley, CA 92551
www.marchinlandport.ca



- Features:**
- 13,300' Runway
 - Manned Tower
 - Class C Airspace
 - New Fuel Facility
 - Military Level Security
 - ILS and GPS
 - New Airfield Lighting
 - Metrolink Station
 - Executive Terminal

Million Air – FBO
Call for more information:
951.247.2111

- No Prior Permission Requirement by Air Force
- Low Operating Costs

- Available:**
- Over 280 Acres of Runway Accessible Developable Property

- Future Developments:**
- Major Drainage Improvements
 - Continued Infrastructure Improvements

Simply Put...
March Inland Port Means Business!
DO NOT Overlook this Exceptional Aviation Facility

National Conference Set for Aug. 17-19

Civil Air Patrol's 2023 National Conference is happening Aug. 17-19 this summer in Bellevue, Washington.

This event brings together CAP members from across the country and features a full slate of activities, including exciting keynote speakers, learning sessions from members and national staff, Hangar Time in the exhibit hall with sponsors and CAP programs, and social events to spend time networking and engaging with other members.

The conference is also the time when Civil Air Patrol recognizes members' fantastic work in a wide range of roles and responsibilities, highlighted by recognition of the CAP Senior and CAP Cadet Members of the Year.

Registration for the conference will open in early April, so start planning now to join us in Bellevue.





- Maintenance
- Avionics Sales / Installs
- Parts Sales
- ADS-B Installs
- Pilot Supply Shop



Hours: Mon - Fri
8:30 am - 6:00 pm

Whiteman Airport
10000 Airpark Way
Pacoima, CA 91331

Phone: 818-896-6442
Email: vista@vistaaviation.com

Open Daily 10 am - 4 pm

rowlandfreedomcenter.org

(707)-449-3402

300 County Airport Rd. Ste. C4
Vacaville, CA 95688

501 (C)(3) Non-profit: 68-0479628



- Planes
- Military Vehicles and Artifacts
- Tours
- Event Space



Gateway to
the North
Bay Region

Nut Tree Airport
301 County Airport Rd
Suite 205
Vacaville, CA 95688

We are proud to salute & support
California Civil Air Patrol!

HONOR.
EDUCATION.
PATRIOTISM.



'Of the Year' Awards 2022

2022 California Wing
Legislative Officer of the Year
Lt Col Darryl L. Dunn

2022 California Wing
Legal Officer of the Year
Maj Donald R. Hammond

2022 California Wing
Recruiting And Retention Officer of the Year
1st Lt Alan W. Cleveland

2022 California Wing
Pilot of the Year
Capt Rex Stuart Demartini

2022 California Wing
Cadet Squadron of the Year
East Bay Cadet Squadron 18

2022 California Wing
Composite Squadron of the Year
Diablo Composite Squadron 44

2022 California Wing
Senior Squadron of the Year
San Jose Senior Squadron 80

2022 California Wing
Unit Commander of the Year
Capt Ryan D. Uhles

2022 California Wing
Unit Finance Officer of the Year
Maj Paula Urbom-Shope

2022 California Wing
Senior Member of the Year – Lifetime
Lt Col David A. Goude

2022 California Wing
Senior Member of the Year – Annual
Maj Eric A. Ferdinandwalters

2022 California Wing
Cadet of the Year
C/Col Jesse A. James II

2022 California Wing
Education & Training Officer of the Year
Capt Richard West

2022 California Wing
AFSA Cadet NCO of the Year
C/CMSgt Tigerlily S. King

2022 California Wing
Cadet Programs Officer of the Year
Lt Col Christopher N. Reichow

2022 California Wing
Unit Safety Officer of the Year
1st Lt David S. Yacono

2022 California Wing
Communicator of the Year
Maj George D. Gadd

2022 California Wing
Property Management Officer of the Year
Lt Col James A. Miller



AVIATORS FLIGHT ACADEMY

7900 BALBOA BLVD., DELTA 6 | VAN NUYS, CA 91406

818-427-1094



DRS MARINE, INC.

DRS Marine Inc. is available 24/7 for any task

COMMERCIAL
HARDHAT
DIVERS

- Underwater Welding & Burning
- Underwater Ship Repair & Inspections
- Dam & Powerhouse Maintenance
- Wharf Pile Repair

www.drsmarine.com
Vallejo, CA
(707) 648-3483

*We are proud
to salute the
Civil Air Patrol!*



'Of the Year' Awards 2022

2022 California Wing
Public Affairs Officer of the Year
Lt Col Noel P. Luneau

2022 California Wing
Squadron Historian of the Year
TSgt Salvatore J. Lamanna

2022 California Wing
Squadron Chaplain of the Year
Ch, Capt Ronald L. Martin

2022 California Wing
Character Development Instructor of the Year
Maj Shaleana R. Benson

2022 California Wing
Aerospace Education Officer of the Year
Maj Van E. Henson

2022 California Wing
Brewer Memorial Aerospace Award – Senior
Member
1st Lt Kailash Kalidoss

2022 California Wing
Brewer Memorial Aerospace Award – Cadet
C/Capt Preston Kwok

2022 California Wing
Unit Operations Staff Officer of the Year
Maj Karin Hollerbach

2022 California Wing
Aircrew Member of the Year
**Maj Karin Hollerbach &
Maj Stephen L. Swale**

2022 California Wing
Counterdrug Officer of the Year
Maj James R. Redmon

2022 California Wing
Inspector General of the Year
Lt Col Craig E. Newton

2022 California Wing
Ground Team Member of the Year
Maj James V. Bertz

2022 California Wing
Health Service Officer of the Year
1st Lt James Bird

2022 California Wing
Airborne Photographer of the Year
2d Lt Nicholas J. Irvine

2022 California Wing
Observer of the Year
C/1st Lt Laramie D. Uhles

2022 California Wing
Incident Staff Member of the Year
Maj Ravin R. Kumar

2022 California Wing
Instructor Pilot of the Year
Capt Keith H. Breton



82275 Indio Blvd., Indio, CA 92201
(760) 775-2229
www.ChoiceHotels.com

FREE WIFI • FREE CONTINENTAL BREAKFAST
 OUTDOOR POOL • FITNESS CENTER
 PET FRIENDLY

www.solairusaviation.com



Distinct Legacy. Fresh Perspective. New Heights.



Our management & staff are proud to support the lifesaving efforts of our Civil Air Patrol.

Keep up the good work!

201 1st Street, Petaluma

415-897-4522

24-hour Dispatch Center 800-359-7861



The name you can trust!
100% Satisfaction Guarantee

Phone: **(760) 352-3160**

Fax: **(760) 352-6319**

Our management & staff are proud to support the lifesaving efforts of our Civil Air Patrol.

P.O. Box 2190 • El Centro, CA 92244

**“Equipped To Make A World Of Difference”
 Since 1969**

Competitive Rates

T&T
 TRUCK & CRANE SERVICE

TRUCKING SERVICES

- General & Heavy Special • 5 to 9 Axle Low Bed Service
- Oversized Permit Loads • 14 to 19 Ton Boom Trucks
- Roll-Off Truck Service

CRANE SERVICES

- Hydraulic 15 to 350 Ton
- Conventional 45 to 300 Ton

Serving Counties of...

Santa Barbara • Ventura • Santa Maria
 San Luis Obispo • Kern • Los Angeles



805.648.3348

www.truckandcrane.com

CONSTRUCTION • OIL FIELD
 STEEL ERECTION • WIND PARKS
 REFINERIES • CARGO LOADING
 STORAGE FACILITIES



A Day Out With Thomas the Train

*By 2nd Lt. Junio Betancourt, Cadet Chief Master Sgt. Alan Gattenby,
and Cadet Master Sgt. Daniel Armstrong, CAP*



A “Day Out with Thomas” was a volunteer event held at the Southern California Railway Museum in Perris, California, on November 5th, 6th, 11th, 12th, and 13th of 2022. California Wing members from ten squadrons within four groups participated. (Group 1 included Squadrons 51 and 107; Group 3 brought Squadrons 5, 11, 20, 25, 59, and 411; Group 6 participation involved Squadron 49; and Group 7 featured Squadron 56). This came to a total of 179 CAP cadets and senior members, as well as CAP family members who also volunteered, over the 5 days. The logistics involved in bringing together so many people from a geographically dispersed membership required a great deal of teamwork.

The [Southern California Railway Museum](#) is a non-profit (i.e., 501(c)(3)) educational organization that seeks to bring Southern California’s railway history to life. This working railroad features the West’s largest collection of (over 200) full-scale railway locomotives, passenger and freight cars, streetcars, interurban electric cars, buildings, and other artifacts dating from the 1870’s. Visitors can ride streetcars, interurban electric cars, and trains on the museum railway to experience the early days of electric, steam, and diesel railway transportation in and around Los Angeles. [Day Out With Thomas](#), one of a number of events the museum holds throughout the year on their 100-acre campus, included rides behind #1 Blue Engine Thomas, live musical performances, a petting zoo, model railroad exhibits, picnicking, and games for children.



[Ventura County Railway No. 2](#), a 100-year-old steam locomotive. Photo courtesy of SCRM

Each day, volunteers began signing in as early as 0500. Breakfast was served at 0600 to the volunteer staff, which included railway museum staff and members from the California Military Institute, glee clubs, the Boy Scouts, and the Girl Scouts, as well as the CAP volunteers. This was followed by a safety briefing, and work commenced at 0830 and finished at 1700. The CAP volunteers rotated among various duty positions ranging from trolley crossing guards to coordinating the Thomas and Percy photo lines. The most important job we performed was customer relations by providing guests with directions to museum attractions. A cadet even pulled a wagon loaded with water to all of the duty stations. Another important function we provided was crowd control. For example, when a woman almost give birth in the museum, we formed a perimeter to control spectators and to assist in helping the woman disembark from the train.

A great benefit of volunteering for this event was the ability to bivouac overnight. The cadets really enjoyed using a passenger-powered railroad track handcar that was built in the early 1900's. They rode up and down the main line inside the railway museum fence for a total distance of approximately 1 mile.

Over the five days we welcomed a total of 22,449 visitors. Of those, 9,681 guests chose to ride the Percy train as well as the Thomas train. This is a 12.7 percent increase from 2021; this attendance also reflects a 64 percent increase in guests from 2019.



Morning formation.

And what were the views of our volunteers?

“It is truly humbling to see so many units come together to aid my squadron in getting this event fully staffed. The cadets showed their true passion for the CAP program and their desire to serve others,” - 1st Lt. Eugene Hawks, the Unit Commander of Squadron 59

“I learned how to work hard and persevere through socializing with people attending Thomas, and I had a great time socializing with cadets outside my squadron.” - Cadet Airman 1st Class Nathaniel Sanchez

“The best part of Thomas was the people there. There was never a doubt in my mind that I had people there who could help me better perform my duties, and that I could also help them in whatever they needed.” - Cadet Technical Sgt. Molina

“I think the most important thing about Thomas is how cadets are able to bring their CAP knowledge to their event positions.” - Cadet Staff Sgt. Jackson Rogers

“What I enjoyed about Thomas the Train was being able to volunteer and help out making this event happen, seeing those kids smile made my day. It also made me want to continue to help out to make these kids who are excited to see Thomas's dreams come true, also the churros were very good.” - Cadet Senior Airman Shyanne Di Palermo

“The thing I enjoyed most about volunteering at Thomas the Train event was dealing with the public and managing the well-being of the other cadets volunteering. My position was “water-cart” and my duty was to provide water and sunscreen to the cadets throughout the entirety of the day via pulling a Big Red cart with a water jug on it. - Cadet Senior Master Sgt. Daniel Armstrong 

“Year in Review”

Forever Young

By 2nd Lt. Nick Pegis, CAP

It was the last night of encampment. The cadets and their cadre were enjoying themselves at a party in the dining facility. The cadets were all standing in a circle. Some arm in arm, swaying back and forth singing Forever Young. The cadets were so happy, and full of life. Not just because encampment was over, but because they have bonded and came together in a way most teens never will. I was standing in the back supervising the festivities. I found myself thinking of what it was like 25 years ago when I was a cadet on my last night of encampment.

My name is 2nd Lt. Nick Pegis. In the Fall of 2021, I rejoined CAP because I wanted to give back to the organization I feel helped me become the person I am today.

I serve currently as the Deputy Commander for Cadets for West Bay Composite Squadron 192, which is the very same squadron where I was a cadet 25 years ago. Though my time as a cadet was not long,



Photo is of myself in 1997 when I was a cadet. The event was at Oakland Airport for the arrival of Pilot Linda Finch who completed the historic flight of Amelia Earhart. Photo credit: Cadet Airman N. Pegis (1997)



Photo of myself as a Senior Member in 2022. Photo credit: 2nd Lt. N. Pegis (2022)



BY CHOICE HOTELS

1093 Airport Rd. • Imperial, CA

760-355-4500

1-800-232-2378

www.ChoiceHotels.com

FREE CONTINENTAL BREAKFAST • FREE WIFI
OUTDOOR HEATED POOL & HOT TUB
GUEST LAUNDRY FACILITIES
BUSINESS SERVICES • PET FRIENDLY

*We Specialize in Quality Pre-Owned
Beechcraft, Cessna, and Piper Aircraft*



Complete Aircraft Sales – Brokerage

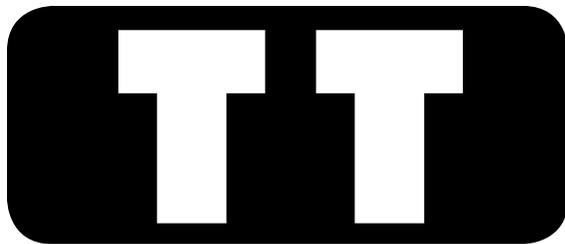
High Performance Singles – Light & Cabin

Class Twins Turbo Props & Business Jets

408-378-5352

14464 Evans Lane • Saratoga, CA 95070

www.laffertyair.com



CONSTRUCTION

(530) 627-3484

Orleans

***We are proud to
salute and support
the men, women
and young
cadets in CA
Civil Air Patrol!***



**Mercy Medical
Center proudly
supports the
Civil Air Patrol.**

Hello humankindness®

Mercy Medical Center
333 Mercy Avenue
Merced, CA 95340

209.564.5000 | dignityhealth.org/merced



Dignity Health.
Mercy Medical Center

it was very meaningful and made a huge impact on my life. In my current role, I take great pleasure in supporting my cadets, accompanying them to events, and getting them to take part in every opportunity CAP has to offer.



Cadets at various activities in 2022—Encampment, UBWC, O-Rides, CPC, unit activities awards, etc. Photo credits: Cadet Lt. Benjamin Lee, Senior Member Kelly Hunt, Capt. Stephen Collins, Maj. Ian Harris, and 1st Lt. Vincenzo Puppo

At the end of the day, I do it for them, but I also do it for myself. Over this last year, I have felt a rebirth in my life. That little something that was missing, that can only be found in volunteering. Someone once said volunteering purifies the soul; and you know what, I think they are right.

What am I looking forward to the most in the new year? Doing it all over again.

Maybe by serving and giving back, we can all be Forever Young. 



VanBeurden

INSURANCE SERVICES, INC.

Since 1934

“We’ve Got You Covered.”

For Your Home, Auto,
Life, Farm Or Business

1600 Draper Street
(559) 897-2975
Kingsburg

*We Commend The Outstanding
Efforts Of Civil Air Patrol!*



Repair, Overhaul & Exchange

FOR ELECTRONIC &
ELECTRO-MECHANICAL ACCESSORIES

Helicopters and Fixed-Wing Aircraft
Over 150 Years of Combined Experience

CORPORATE OFFICE

3200 Howard St., McClellan, CA 95652
Phone: 916-434-5194
Fax: 916-434-5637
CRS #25FR283B EASA.145.6177

MIDWEST OFFICE

949 Main St., Hamilton, OH 45013
Phone: 513-868-8000
Fax: 513-868-8040
CRS #25FD283B EASA.145.6672

Call Today: 916 434-5194

www.FreedomAeroService.com

Freedom Aero Service Inc. is an established FAA/ERSA repair station.



SanDiegö **Air & Space** Museum

In Balboa Park

Let Your Imagination Soar!



619.234.8291 • WWW.SANDIEGOAIRANDSPACE.ORG

Patrick Scribner



CERTIFIED PUBLIC
ACCOUNTANT

**WOULD LIKE
TO THANK THE
CIVIL AIR PATROL.**

**KEEP UP THE
GREAT WORK!**

27373 County Rd. 23
Esparto, CA

(530) 666-2727

Email:

pscpa@scribnerranch.com

Emergency Services: What We Have Accomplished and Where We Are Headed

Lt. Col. Charles Christian, CAP

Editor's Note: This article is a summary of a talk given by Lt. Col. Charles Christian during the 2022 California Wing Conference general session. Just prior to commencing the talk, he was formally promoted from Major to Lt. Col.

The pace of our emergency services operations has increased exponentially. We have so many new and exciting opportunities, and customers, partnerships and missions. Due to our can-do attitude, we have become the premier disaster preparedness and relief organization—not just in the state, but in the country. I could not be more proud about the performance of this Wing over the past three years.



During the 2022 CWC general session Emergency Services talk, Lt. Col. Christian provided ample time for questions from the audience. Photo credit: Lt. Col. David Oberhettinger

The customers that we have been working with continue to work with us because of the professionalism we show each and every time we perform missions. It is really important that we inspire the members



Aviators Doing Aviation®

Whether planning to tour the vineyards, explore the Central Coast or soak up the Southern California sun, ACI Jet has your flight and transportation needs covered. We operate four full-service FBOs, so you can start thinking of *when* rather than *how*.

SBP: (805) 782-9722
 PRB: (805) 596-0212
 SNA: (949) 201-2550

Find Us On
 Social Media
 @flyacijet

www.acijet.com

FBO • MRO • MANAGEMENT • CHARTER



Cable Airport

YOUR DEDICATION TO THE ONGOING MISSION OF SAVING LIVES IS APPRECIATED!

909-982-6021

1749 W. 13th St.
 Upland, CA

www.cableairport.com



Check out events...



We are proud to support the men and women whose courage and dedication make the Civil Air Patrol a valuable resource for our air safety and search and rescue operations.



www.AviationCapital.com

Main Office
 116 W. Main St, Suite 6
 Grass Valley, CA 95945



Eric Bennett
 (510) 219-3614
Eric.bennett@erockllc.com

Aerospace Services

- Consulting
- Plans & Programs
- Field Operations
- Training Systems
- Sales and Service
- Media Production

Safety, Security & Emergency Response

- Mine Rescue Teams
- First Responder Support
- Confined Space
- Hazardous Material
- Radiation Detection
- Oil Spill Response
- Wildfire Tracking
- Incident Monitoring

Data Collection - Processing - Analysis

- Thermography
- Lidar & Infrared
- Photogrammetry
- Sensor Systems
- Magnetic Surveys
- Ground Penetrating



BVLOS Beyond Visual Line of Sight



Industries We've Served

- Critical Infrastructure
- Mining Operations
- Construction Sites
- Manufacturing Facilities
- Petro-Chemical Facilities
- Dams, Levees and Canals
- Hotels & Casinos
- Major Festivals and Events
- Transportation - Roads, Rail
- Utilities - Pipelines & Transmission



SAFETY IS NOT THE ABSENCE OF DANGER...IT IS THE PRESENCE OF PREPAREDNESS

WWW.EROCKLLC.COM

at the local level to do the best that they can and perform at the highest level possible every time they do these missions. That is the way that we are going to sustain all the gains that we have made over the last three years.

Fiscal Year (FY) 2019 was a really good year for CAP in California. We had a very strong training program that provided a foundation we could work with. We graduated a lot of mission pilots, our ground team program was working pretty well, our base staff was well trained, we were creating Incident Command System (ICS) courses constantly, and we implemented a “Planning P” cycle supporting multi-day missions that allowed us to plan the next day’s operation in advance while conducting today’s operations.

On the other hand, although we were training very hard, we had not yet gained much traction in getting our capabilities recognized by the State of California, and our federal customer missions were dropping off due to the decline in searches for missing aircraft. (In addition, the search and rescue (SAR) process has changed in recent years. Instead of having searches that go on for ten days, [cellular forensics and radar forensics](#) allow search missions to be concluded in only a day or two.) Meanwhile, our Counterdrug mission became the “bread and butter” for California Wing, comprising about 75% of our total mission flying performed for external customers. So we were focusing on SAR training, but the predominance of our missions were Counterdrug. When I talked to the members, they said they felt some concern because “we were training for a mission that we are not really doing, whereas we are doing a mission that might someday go away.”

Moving ahead to FY20 and FY21, we had great plans to grow and diversify our customer portfolio. Then came the COVID years! I wouldn’t say that the pandemic upset our plans, but it certainly changed our plans. We were going out every month to meet with the National Guard, the California Office of Emergency Services ([CalOES](#)), the Corps of Engineers, the City of San Jose, etc., telling them about the virtues of CAP—why they should use us. But this outreach takes a lot of time—years instead of months. And once your foot is in the door, you have to continue to prove yourself to these organizations every day. But COVID restrictions greatly affected our operational tempo.

And then we heard from the National Guard, “Hey, we need help with food banks; can you help us out?” And that changed our trajectory completely. CalOES and the National Guard saw that you were professional, you were reliable, and you were adaptable. I know that we do all this SAR training, but there’s a lot to be said for people who understand command and control and can execute their plans. We had this great training foundation in flying/ground team/base staff from 2019, and suddenly we were thrown into this food bank situation that we had never really trained for nor performed before, yet we performed remarkably well. Despite this mission having come out of left field, we performed it on-and-off for about one year and eight months, and we packaged and distributed three million meals throughout the state. It was this mission that brought us tremendous credibility with the State of California!

Building off of the burnishing of our reputation from this unanticipated accomplishment, although still dealing with the nuances of COVID, FY22 has been a really good year—a record year—for us. As of mid-September, we chalked up 7000 flying hours, as compared to 81,000 hours for CAP nationally—that’s almost 9 percent of the national total.

This mix of flight activities that we have been doing this past year is very healthy for the Wing. We have a substantial amount of flight hours for our external customers, but our training hours and the other contributors to the total provide a healthy mix. Most of the Wing’s



Cadet Lt. Col. Collin Rodriguez organizing food at one of the LA points of distribution (PODs). Photo credit: mission stock photos

A E R O N A U T I C S

FAA-PMA approved auxiliary fuel tanks
for Cessna airplanes since 1967.

**We salute and support the
Civil Air Patrol!**

(619) 448-1551
Gillespie Field (SEE)
1942 Joe Crosson Drive
El Cajon
www.flintaero.com



**Palm Springs
Air Museum**

Where history flies...

The Palm Springs Air Museum is home to one of the world's largest collections of flyable WWII aircraft; and our air-conditioned hangars have no ropes to keep you from interacting with our exhibits. Our extensive library and our crew of trained volunteers can provide you details on the aircraft and a sense of the experience of flying them. Additionally, a number of aircraft are open for tours every day.

Children of all ages are entranced by the big planes and entertained with related activities, from painting nose art to flying our simulators.

745 NORTH GENE AUTRY TRAIL • PALM SPRINGS
760-778-6262 • WWW.PALMSPRINGSAIRMUSEUM.ORG



Paradise, CA

**NEW SELF-SERVE
FUELING STATION
(100LL)**

Major credit cards accepted
paradiseairport.com

**WE ARE PROUD TO SUPPORT
THE CIVIL AIR PATROL!**



OTTO
Instrument Service
AIRCRAFT INSTRUMENTS



1441 Valencia Place
Ontario, CA 91761
909-930-5800
www.ottoinstrument.com

aircraft have achieved their National-mandated 200-hour annual airplane usage target, though a few have less than 200 hours due to maintenance issues and have been down for a substantial period of time. (Our fleet average is 253 hours per aircraft.) Over the last couple of years we have experienced a net loss of a couple airplanes from our fleet, yet our flying hours are up 10% over 2019—our last record year. (Once one of our planes starts to incur too much maintenance, national tends to sell the plane. And within the wing, planes are getting sold off faster than they are being replaced. Our CAWG fleet of 28 aircraft in 2019 is now down to 26 aircraft.) We are doing more with less, and as a consequence our equipment is starting to wear out. One of our planes has had its fifth 100-hour inspection during this year! The bottom line is, we need more stuff! If our high quality work results in increased demand from external customers, like we expect for FY23, there is a risk that the quality will go down because our hardware and our volunteers are a limited resource. Hence, we need *strategic growth* (i.e., a proper mix of flight activities going forward, supporting our core customers, while leaving a *ready reserve* to respond to unexpected events like an earthquake)—not just growth for the sake of growth.

Over the last three years, the number of flight training hours has dropped 20 percent, probably due largely to COVID, and pilot proficiency seems to have suffered somewhat as a result. Now, we are seeing flight training inching back up—a trend we need to reinforce to attain peak efficiency and effectiveness. Most of our training is in SAR, because our proficiency evaluations



in the ops SQTR are also SAR-focused. (It should be noted that for our Windy Radar mission, our Travis customer requested that we exercise their radar by flying SAR patterns like parallel search, sector search, and expanding square; so our technically difficult SAR training was adaptable for an entirely different purpose.) But we are also seeing increased training this past year in other activities like WADS, Waldo, FLIR, imaging, comms, etc. (including new opportunities into our mix is a good thing because we don't want Emergency Services personnel getting bored!) Although the California National Guard has been a little stressed for resources the last couple of months from deployment to Europe because of their strong relationship with Ukraine, our WADS intercept missions are up more than double over FY19. The Relocation activity has seen recent growth due to increased grounding of planes for maintenance, where we need to bring a working plane from a distant location in order to conduct a mission. We may be close to our operational limit given the resources we have available. We would need eight more airplanes to bring our 253-hour average down to the 200 hour per plane target. Given our projections for FY23 operations, we will actually need more like 10 to 12 additional aircraft!

**“IF CAP WERE AN AIRLINE, WE WOULD BE THE
FIFTH LARGEST AIRLINE IN THE WORLD!”**

Moving to the immediate future of Emergency Services:

- **Overwater.** I expect to see an increase in our overwater intercepts in FY23, subject to the tempo of National Guard activity in Europe.
- **Windy Radar.** The Windy Radar mission has come back after a hiatus in FY20 and FY21, with a seven percent increase in FY22 compared to FY19, and Kevin McDowell has revived Windy Radar with a new USAF request for this year.
- **TFRs.** Our Temporary Flight Restriction (TFR) outreach has been very beneficial with its opportunity to help the flying public—but also to meet members of the flying community and tell them



**MODESTO
JET CENTER**

www.modestojet.com



"Proud to be a CAA preferred FBO"

- AIRPORT CHARTER
 - AIRCRAFT SALES
• MANAGEMENT
 - MAINTENANCE &
AVIONICS
 - FULL-SERVICE FBO
- 825 Airport Way
Modesto, CA 95354
209-577-4654

PSI 
Pacific Southwest Instruments
OVERHAUL • REPAIR • EXCHANGE

Serving the aviation industry
with pride and quality service.



We are proud to salute the fine efforts of our
California Civil Air Patrol.

1721 Railroad Street
Corona, CA 92880
USA
(951) 737-0790

FAACRS#KD3R627L • EASA.145.4723
Instrument 1,2,3,4 • Radio 1,2,3 • Accessory 3

DESTINATION RIVERSIDE
RIVERSIDE MUNICIPAL AIRPORT (KRAL)



Proudly supporting the valuable
services CAP provides to the
aviation community



- Full Service FBO
- Aircraft Maintenance
- On Airport Cafe
- Strategic Proximity
to Major Markets and
Southern California
Attractions



RiversideCA.gov/Airport
6951 Flight Road
Riverside, CA 92504
951 351-6113

**Porterville
Municipal
Airport**



We are proud to salute
the men and women
of the Civil Air Patrol!

559-782-7540
1893 S. Newcomb
Porterville
Fuel...559-782-7540



ALL IN ONE

Auto Repair & Towing

UKIAH **WILLITS**
468-0991 459-0997
406 N. State St. 115 N. Main

On Call Service Both Locations

- Light, Medium & Heavy Duty Towing
- Local & Long Distance Towing
- Insurance Towing - Most Major Companies
- Full Service Auto Repair - Foreign & Domestic
- Certified Brake, Lamp & Gold Shield Smog Station



www.allinoneautorepair.com

When they say it can't be done, call ALL in ONE!



108 Catalina Ave.

Avalon

(310) 510-0044

marlinclub.com

what CAP is, why we are there, (i.e., to inform them of upcoming TFRs), and what CAP does. (See article “CAWG Aircrews Crisscross the State to Distribute Super Bowl TFR Alerts,” Summer 2022 *Bear Facts*, p. 59.) I think there is a potential for more of this as election season starts heating up again and we have more Presidential TFRs.

- **sUAS.** We are taking our existing sUAS equipment and assessing how best to train personnel, how to deploy it, how to get it to the field, and how to give the customer a good result. I foresee that the principal mission will emerge as aerial imaging, as a lot of agencies (e.g., U.S. Geological Survey) are interested in the potential to study the damage effects post-wildfire. For example, “Where does all the mud go after a storm?” “Well, I’ll show you!”
- **SAR.** As for our SAR missions, which used to be our “bread and butter” missions, they have been on the decline for 20 years. In FY22, however they have held steady due to better connections with CalOES-- new outreach efforts and imbedding comm units, AOBDs, ground teams, and canines with their mission staff. Our efforts improve when, instead of working in isolation, we become part of their team by attending CalOES planning meetings and conference calls, being present at their mission base, and possessing *call sheets* so we can coordinate with their helicopters.

We have wished to intentionally pivot to disaster preparedness, prevention, and response. We have been progressing really well, but we have a long way to go with this. Our disaster response mission was previously a guy in the backseat with a Nikon. Then came the Garmin VIRB cameras. We realized that we could create some interesting maps and give customers some useful data. Now, after COVID, we are pivoting toward a more holistic view of disaster preparedness, prevention, and response. We have asked the membership to prepare yourself, to get the disaster training that you need, because you can’t help someone else until you get yourself, your family, and your immediate neighborhood in a stable position. We are asking if the organization can continue to function when Internet and cellular connectivity is lost. So we are exploring options like satellite communications to prepare us for the eventualities both natural and a unnatural disasters. The California National Guard is like the governor’s Swiss Army Knife in that they can be purposed for many needs, but their resources are getting stretched, and they are starting to recognize how CAP can aid them. We now participate in daily phone calls and briefings with the Guard. We now have our finger on the pulse of what is happening throughout the state on a daily basis.

We now need to start thinking about strategic partnerships—the types of relationships we need with the state. We are talking to Caltrans, USGS, Corps of Engineers, and local emergency management agencies (e.g., Santa Barbara), about how we could help. We have to have the relationships with these organizations in place, up and running, before the event because the day of the earthquake is too late. We are making great strides in rolling out first aid training to our members; CERT qualification is up 1600 percent. Our unit level, the squadrons, should be encouraged to establish their own relationships with local EMAs and SAR teams (but without overpromising).

The California Geological Survey and CAP are negotiating a 4-year contract to provide imaging services to the State of California, with a \$300,000 potential contract value—a value that is greater than that of our current CalOES contract. We are in the early stages of acquiring a three-year, \$40,000 per year contract with CalTrans.

There was a time, perhaps five years ago, when a qualified aircrew could take on just about any mission. Now, because of technology, we may have to think about specialization. Can we send a pilot who has just been on an intercept mission to a Windy Radar, Public Aerial Address, or Waldo mission? We are getting to the point where technology is really complex, and if you have not been using it on a regular basis (e.g., Garmin G1000, Waldo), can you really generate an excellent result? If a member does not have local access to a Garmin G 1000 plane, or one equipped with Waldo, how can the pilot remain proficient? We have one FLIR plane in the state of California, so it’s going to be very hard to remain proficient with that device. These are some real challenges where we must ask ourselves how we may squeeze out the benefit of these technologies, train to remain proficient, and assure that the customer gets good results.

Western Flight, Inc.



FULL SERVICE FBO
LOCATED IN MCCLELLAN PALOMAR AIRPORT
2210 Palomar Airport Rd.
Carlsbad, CA 92011
(760) 438-6800

MILLION AIR[®]



*We appreciate your hard work
and dedication towards saving lives,
Keep up the great work!*

MILLION AIR
RIVERSIDE KRIV
Tel: 951.247.2111
17405 Heacock St.
Moreno Valley, CA 92551
www.millionair.com

tradewinds aviation



**Your One Stop Shop For
Aviation Services**

- Flight Training • Maintenance
- Aircraft Rental • Aircraft Sales
- Pilot Supplies

Reid-Hillview Airport
2505 Cunningham Ave., San Jose, CA 95148
408-729-5100
San Martin Airport
13025 Murphy Ave., San Martin, CA 95046
408-683-4102
mail@tradewindsaviation.com
www.tradewindsaviation.com

CITY OF AUBURN AUBURN AIRPORT



**PROUDLY SALUTES
THE MANY FINE MEN AND
WOMEN IN OUR CIVIL AIR PATROL.**

THE SHORTAGE OF WOMEN IN AVIATION

By Capt. Richard Rezac, CAP

The aviation industry faces a worldwide shortage of qualified pilots. This is evident in all aviation fields; military, passenger carrier, freight, agricultural aviation, etc. In fact, some air carriers are already reducing or canceling flight schedules as a result of pilot shortages.

Given the need to hire new pilots, the industry knows now that it needs to tap the entire potential talent pool. Employers are actively seeking pilots from historically under-represented demographics. One of these demographics is females. Unfortunately, women make up only about 6% of commercial pilots, according to the Air Line Pilots Association. This is partly due to the historical pipeline of male military pilots. For decades, female pilots were not allowed to participate.

Dr. Rebecca Lutte, an assistant professor of Aviation at the University of Nebraska at Omaha (UNO), has pointed out that, “In an age where pilot supply is a global challenge, recruiting women and underrepresented groups to the cockpit is an essential part of the solution.” And as Dr. Victoria Dunbar, an associate professor of Aviation at the Florida Institute of Technology, noted, “There is no particular skill set that a pilot needs that’s based on their gender. Aircraft are designed to be flown with light hand controls, so it’s not an issue of strength. I believe that men and women are equally capable of being good, safe pilots.”

Sadly, too many girls and young women might think, “I didn’t even know I could be a pilot. I thought that was a man’s job.” If they can’t see it – through role models in the air, or in their own minds – they’re less likely to be one someday. They need to see more examples of successful women throughout the aviation industry. Examples like Capt. Tammie Jo Shults, the former fighter jet pilot who became a hero after safely landing a badly damaged Southwest Airlines plane.

Universities and flight schools are taking several avenues to address this bias in aviation. One of them is educating the public and particularly younger girls who might consider becoming a pilot. Many schools host day events and summer flight exploration camps where they invite middle-school and high-school girls to visit the campus and go on introductory flights.

Civil Air Patrol is also doing what it can to eliminate this division. Hundreds of girls get their first taste of flying every year in a CAP Orientation Ride. Many female cadets attend our Regional Flight Academies that are hosted across the country each summer. And of the 21 cadets currently enrolled in our Cadet Wings program, five are young women. That’s about 24%, four times the current national average of women who are commercial pilots. Once the public comes to accept that female pilots are no different than their male counterparts, our society will have made the shift to accepting women as equals in the sky.



Cadet 1st Lt. Julia Lair, has not earned her private pilot’s license yet but is working on it in the Civil Air Patrol, talks about her aviation experiences with a group of Girl Scouts.

Tires **LES SCHWAB**

www.lesschwab.com

Best Tire Value
PROMISE



COME IN AND SEE US!

2630 Balls Ferry Rd., Anderson	530-378-2210
7880 Walerga Rd., Antelope	916-729-1339
6361 Lonetree Way, Brentwood	925-513-3432
37462 State Hwy. 299 E., Burney	530-335-2251
201 W. East Ave., Chico	530-345-5557
8124 Auburn Blvd., Citrus Heights	916-728-2223
625 Contra Costa Blvd., Concord	925-825-5940
1436 Solano St., Corning	530-824-3770
1920 N. 1st St., Dixon	707-678-8271
2440 Broadway, Eureka	707-443-3507
275 N. Fortuna Blvd., Fortuna	707-725-1169
36761 Fremont Blvd., Fremont	510-796-1985
2650 Las Positas Rd., Livermore	925-245-9995
615 E. Lodi Ave., Lodi	209-334-3961
1240 W. Yosemite Ave., Manteca	209-824-9955
2210 Central Ave., McKinleyville	707-839-8986
430 W. 16th St., Merced	209-722-0133
1830 E. Hatch Rd., Modesto	209-556-9292
921 Sperry Ave., Patterson	209-895-7296
5353 Redwood Dr., Rohnert Park	707-585-3111
9095 Fairway Dr., Roseville	916-780-9669
2731 Highland Ave., Selma	559-898-0437
1901 Lake Tahoe Blvd., S. Lake Tahoe	530-541-2852
6700 Hembree Lane, Windsor	707-837-7913
33921 Yucaipa Blvd., Yucaipa	909-372-7970

We are proud to support California Civil Air Patrol.

WORLD WIDE WINGS



WWW.WORLDWIDEWINGS.NET

**TRAINING AT
SAN
BERNARDINO, CA**

AIRCRAFTS

Cessna 172
Cessna 177
Piper Cherokee
Beech Duchess
Pilotsref Alpha

COURSES

Private Pilot
Instrument Rating
Commercial ASEL
Commercial AMEL
CFI Course
CFII Course
MEI Course

**QUALIFIED
INSTRUCTORS**

Well experienced staff
with extensive knowledge
in Professional Pilot
Training and Ground
Training.

OFFICES AT

India
Saudi Arabia
Indonesia
Bangladesh

PRICING:

PRIVATE PILOT LICENSE:

DUAL 30HRS; SOLO 7 HRS; SIM 3HRS; GROUND 30HRS

INSTRUMENT RATING:

DUAL 20 HRS; SOLO 62 HRS; SIM 15HRS; GROUND 30HRS

COMMERCIAL PILOT LICENSE SINGLE ENGINE:

DUAL 30 HRS; SOLO 30 HRS; SIM 15HRS; GROUND 30 HRS

ALL RATINGS ARE AS PER PART 141 REQUIREMENTS WHICH HELP EARN COLLEGE CREDITS AND RESTRICTED ATP. PART 61 TRAINING CAN ALSO BE SATISFIED IN THE SAME COSTING.

TALK TO US TO KNOW MORE ABOUT YOUR COLLEGE PROGRAM!

**MULTI ENGINE AND INSTRUCTOR RATINGS
CALL US FOR MORE INFO.**

Aircraft Rental Cost:

4 Seater Single Engine Aircraft: \$150/HR
2 Seater Single Engine Aircraft: \$125/HR
Time Building Shared: \$85/HR; \$75/HR
Multi Engine Aircraft: \$310/HR

GROUND AND FLIGHT INSTRUCTOR COST: \$60/HR

ALL AIRCRAFTS ARE W/ EQUIPPED WITH MODERN AVIONICS

**PPL DURATION
8 WEEKS**

**IFR DURATION
12 WEEKS**

**CPL DURATION
10 WEEKS**

TRAINING LOCATION

**2885 U Street,
San Bernardino
California
92408**

SYLLABUS

**FAA PART 61
FAA PART 141**

**CALL US AT:
909-382-0063
786-765-8018**



FLIGHTDISPATCH@WORLDWIDEWINGS.NET



A division of Aircraft Covers, Inc.



WE COVER IT ALL!

- Canopy
- Engine
- Wings
- Empennage
- Propellers
- Intake Plugs
- Horizontal Stabilizers

WHY YOU NEED COVERS:

- Protect Avionics & Upholstery
- Stop Leaky Seals
- UV Sunlight Protection
- Prevent Frost & Icing
- Corrosion Prevention
- FOD Protection
- Preheating / Deep Cold Ops.
- Maintain Clean Aircraft Surfaces



800/777-6405 • 408/738-3959
www.AircraftCovers.com

- BUILDING AUTOMATION SYSTEMS • BUILDING SERVICES
- COMMISSIONING • DESIGN/BUILD • FABRICATION • HVAC PIPING
- LEED • PLUMBING • PROCESS PIPING • SHEET METAL

1150 W. San Carlos St.

San Jose, CA 95126

www.ocmcdonald.com

**EXPERIENCE
MATTERS**

(408) 295-2182



O.C. McDONALD

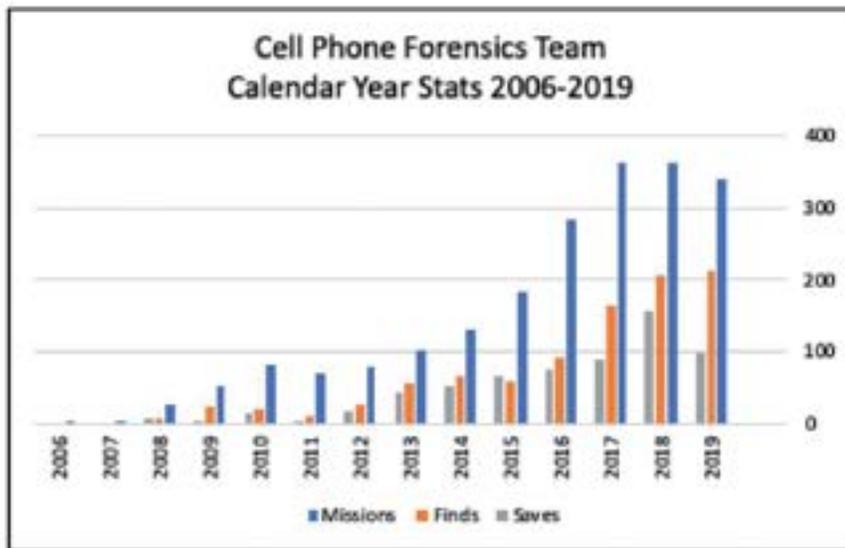


National Cell Phone Forensics Team Fact Sheet



By Civil Air Patrol Cellular Forensics Team

The use of historical cell phone data to support Civil Air Patrol search and rescue (SAR) missions originated in April 2006 when Maj. Justin Ogden, CAP, first used software he developed to help predict the most likely area to search for a missing airplane. Ogden was joined by Col. Brian Ready and Maj. Jerad Hoff, and the three became the core of the National Cell Phone Forensics Team, which was designated a national CAP asset in 2009. As the number of missions has grown, the team now includes eight members, all of whom are members of Arizona Wing. All team members are volunteer professionals.



In 2019, the team completed 341 missions and was credited by the Air Force Rescue Coordination Center with 212 finds and 99 saves. From its inception in 2006 through 2019, the team been assigned 2091 missions, and has been credited with 947 finds and 627 saves.

Our mission: *Collect, Analyze, Present*

- We **collect** raw data from a variety of sources. Our experience helps us recognize what data sources need to be checked for information.
- We **analyze** the raw data - we remove the misleading information and focus the attention on important clues.
- We **present** the data in a manner that is immediately actionable. This may include maps, Google Earth KML files, pictures, and other info that allows a search planner to immediately apply the cell phone clues to their search.

How Does It Work?

- Requests for assistance are made to the Air Force Rescue Coordination Center at Tyndall Air Force Base, the single agency responsible for coordinating on-land federal SAR activities in the United States, including Puerto Rico and U.S. Virgin Islands.

FOWLER

AUTO CENTER



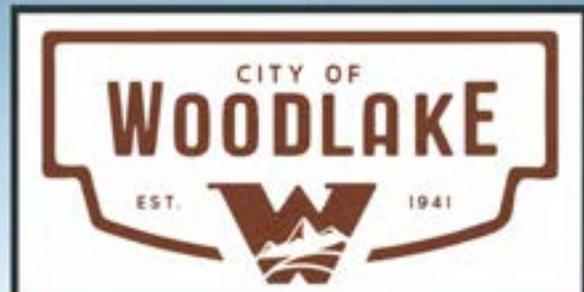
SALES • SERVICE • LEASING • PARTS

1-800-287-0107
707-468-0101

fowlerautocenter.com

SALES HOURS:
MONDAY - FRIDAY: 9:30AM - 6PM
SATURDAY: 9AM - 5PM
SUNDAY: 10AM - 5PM

1265 Airport Park Blvd
Ukiah, CA 95482



A CITY WITH TRUE WESTERN HOSPITALITY

WOODLAKE AIRPORT

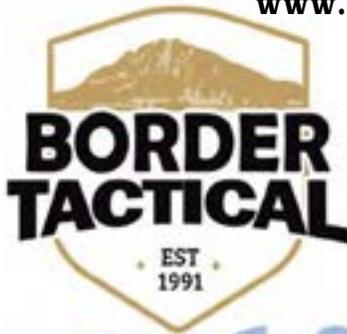
is proud to support the many lifesaving missions of Civil Air Patrol!



For Information Contact:
The City of Woodlake at 559-564-8055

SHOP LOCAL IT MATTERS

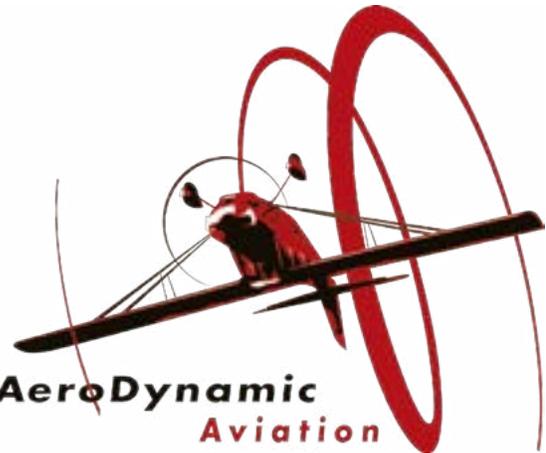
www.bordertactical.com



- TACTICAL GEAR
- UNIFORMS
- INDOOR RANGE
- CLASSES



925 N. Imperial Ave., El Centro, CA
760-353-9482



AeroDynamic
Aviation

- Sport, Private, Commercial, Instrument Pilot training
- Tailwheel, Aerobatics, Advanced ratings

Reid-Hillview (KRHV), Monterey (KMRY)
& Salinas (KSNS) Airports

www.aerodynamicaviation.com

(408) 320-9614

(831) 373-8320

Email: info@aerodynamicaviation.com

- Assignments support typical CAP missions such as missing/overdue aircraft, but the Cell Phone Forensics Team also works on appropriate missions from federal, state, and local law enforcement and other agencies, e.g., U.S. Coast Guard and National Park Service. These missions may include missing boaters, overdue hikers, etc.
- Analysis and presentation skills are where the team excels – extracting the most accurate information and presenting it in a way that is actionable. Team members also know places to check for data that are sometimes overlooked.
- Maj. Ogden developed a proprietary tool that allows text message contact with missing persons. A team member can send a link to the missing person which, if they click on it, will relay their position (without the team member needing to contact a cell phone provider). This tool is helpful in cases where the missing person is willing and able to participate (they will click the link you ask them to) as that allows rapid determination of their location. This has to be done before the phone battery dies, and again, only works if the missing person is cooperative.
- The team also has a tool that can monitor a phone to see when it turns back on. This helps resolve many overdue/non-distress situations, if a team member can simply keep tabs on when the phone turns back on.

Frequently Asked Questions

Q: Can you find a phone that is turned off?

A: We can often provide historical analysis to show where a phone was before the battery died, or before it was turned off or left a coverage area. This is usually a helpful clue in search and rescue missions. We can also monitor a phone for the duration of the search to see when/if it turns back on.

Q: Can you track a prepaid phone (like TracPhone)?

A: Yes. A prepaid cell phone provides the same data as a post-paid cell phone.

Q: Can you turn the phone on if it's currently powered off?

A: No.

Q: What information can you provide to search and rescue teams?

A: The emphasis of the Cell Phone Forensics Team is to provide historical and real-time location information. The focus is on location clues. We can also provide supporting information such as call records if necessary for the search. Information is provided to the team by cell phone service providers only with documentation of exigent circumstances.

Q: How do I (an authorized representative of a law enforcement or other agency) request mission support from the cell phone team?

A: Call the AFRCC 24/7 at (800) 851-3051.

(877) PC-FLYER pcflyers.com



Local: (760) 845-9713
2210 Palomar Airport Rd.

Pacific Coast Flyers is a flying club in every sense. We are a cooperative of pilots that share a love of flying, united in supporting an organization that is transparent and responsive to its members.

Corporate Air Technology

AIRCRAFT INSPECTION & REPAIR

(408) 977-0990

1250 Aviation Ave., Ste. 125
San Jose, CA 95110

We salute and support the men and women of the Civil Air Patrol! Keep up the good work!



KAISERAIR, INC.



Based at Oakland International Airport

1-800-538-2625
or 510-569-9622

ARINC: 129.750

- **AIRCRAFT MANAGEMENT**
For the business executive or private client.
- **AIRCRAFT MAINTENANCE**
Our A&P technicians are certified to work on virtually every type of business aircraft. Emergency maintenance is available 24 hours a day, seven days a week.
- **CHARTER SERVICES**
A perfect safety record for 55 years.
- **FBO & LINE SERVICES**
Aviation Fuel & Line Service 24 Hours a day, 365 days a year. "Safety First" approved & recognized throughout the industry.
- **ACQUISITIONS & SALES**
www.kaiserair.com
8433 Earhart Rd., Oakland

JetCenterLosAngeles

Jack Northrop Field /
Hawthorne Municipal Airport
12010 Crenshaw Boulevard
Hawthorne, CA 90250

K-HR 123.30
www.jetcenterla.com 310.676.4673



LET'S DO THE WORK.

Since 1936, Peterson Cat has been your family-owned authorized Cat® dealer! We proudly operate nineteen full-service locations in 100,000+ square miles of northern California, Oregon, and southwest Washington!



888-PETERSON
petersoncat.com



T & M AVIATION

Proud to salute & support California Civil Air Patrol!

Inspection, Maintenance, Modifications, Repair

1401 S. State St.
Ukiah, CA 95482

Phone:

(707) 462-1417

Life is simple.



Eat, Sleep, Fly.

California Wing Conference 2022

Lt. Col. David Oberhettinger, CAP



The 2022 California Wing Conference (CWC) was held 22-25 September at the Warner Center in Woodland Hills (Los Angeles). This year, we attracted about 275 attendees—a greater than 50 percent increase over the prior year’s conference attendance.



Warner Center environs, as seen from the Warner Marriott conference hotel. Photo credit: CWC staff



LOOKING FOR A GREAT PLACE TO SHOOT?

We offer trap, sporting clays, pistol bays and rifle range.

559-683-3669

www.sunmountaingunclub.com

32868 Shotgun Lane, Coursegold, CA
The Club is approximately 30 miles north of Fresno, CA on Highway 41.



LEARN TO FLY WITH US

Flight School Operated by Pilots for Pilots.

www.topflightlessons.com

1961 Aviation Dr., Ste. 201, Corona, CA
951.335.5590

Lincoln Funeral Home
FUNERAL & CREMATION

916-645-2347

406 H. Street, Lincoln, CA 95648

www.dignitymemorial.com



Compliments
of a
friend...

Supporting
the
California
CAP!



**JOSEPHSON
WERDOWATZ
& ASSOCIATES, INCORPORATED**

Consulting Structural Engineers.

- New Construction
- Remodel/Renovation
- Investigations
- Expert Witness Services

Licensed in 27 States

10815 Rancho Bernardo Rd, Ste 310
San Diego, CA 92127
(858) 558-2181
www.jwa-se.com



-Event Center Available for Private and Company Functions

-Deli & In Person Gift Shop

-Plane Crazy Saturdays - The third Saturday of every month. Put on by the Mojave Transportation Museum

MOJAVE
AIR & SPACE PORT
AT BUTAN FIELD
Visit our website for more information:
www.mojaveairport.com

- Fitness Center -
Open to the public
mojavefitness.com



LIVINGSTON'S
916-663-2081
GRADING & PAVING, INC

livingstoninc.com



WYNDHAM

9000 W. Airport Dr., Visalia, CA 93277
(559) 651-5000 • www.wyndhamvisalia.com



Cadet 2nd Lt. James Reid and Cadet Chief Master Sgt. Hope Staley, staffing the registration desk, greet arriving conference registrants Photo credit: CWC staff



Conference organizers 1st Lt. Samantha Moat (CAWG Dir. of Public Affairs) and 1st Lt. Clair Gregory (California Wing Conference Project Officer) attend CWC reception. Photo credit: CWC staff

In loving memory of John Foy

Allen Iron Works, Inc.

Metal Buildings CA Lic. #565721
Steel Fabrication & Erection
Portable Welding & Crane

**229 Commerce Dr.
Mammoth Lakes
760-934-6088** www.alleniron.com
Brent Allen



SEASONS 4 CONDOMINIUMS

Lift Tickets & Lodging Packages
Free Shuttle, HBO, Telephones

Reservations:

1-800-732-7664

244 Lakeview Blvd.
Mammoth Lakes, CA

Info@Seasons4.com
www.seasons4.com

SEA ESCAPE OCEANFRONT LODGING



*We appreciate all you do towards
search and rescue in our great state!*

**15370 Hwy 101 N.
SMITH RIVER, CA 95567
707-487-7333**

www.seaescape.us

Military discount with ID

We Do Weddings! call for details...



is proud to support and salute the
men and women of the Civil Air
Patrol in their lifesaving missions...
so others may live!

463 Rocking K Rd.
Bishop, CA

STONE LAND COMPANY, INC.

*Bill and Staff are Proud to
Salute & Support the Many
Fine Men, Women, & Young
Cadets of the California
Civil Air Patrol.
Keep up the Good Work!*

(559) 945-2205

Stratford



Manufacturer of Avionic
Products For General &
Commercial Aviation

FAA Approved
Manufacturing Facility

408-287-8021

3350 Scott Blvd.

Bldg. #15

Santa Clara, CA 95054

www.ackavionics.com



Golden Farms Express proudly
supports California Civil Air Patrol!

CITRUS PACKING • COLD STORAGE

10828 S. Crawford Ave., Dinuba
(559) 591-5171



**Kalkai Advanced
Manufacturing, Inc.**

We are proud to support our men,
women and young cadets who
make up the Civil Air Patrol.
Your hard work and dedication
is especially appreciated.
Good luck in your future missions.

**630 Martin Ave., Ste. 4
Rohnert Park, CA 94928
707-588-2960**



*We are proud to salute
and support the women,
men and young cadets of
Civil Air Patrol.
Keep up the good work!*

CWC is an annual venue where members from throughout the Wing may gather to celebrate their achievements, learn about the activities of other CAP members, add to their proficiency, and honor awardees. Like each of these annual events, the 2022 CWC was a mixture of fun and camaraderie (e.g., pool party, reception, banquet, informal gathering) and learning (e.g., classes, exhibits, workshops, demonstrations, and general session interchange).

Rather than pushing out more words at you, I'd like to take advantage of the features of this new digital version of *Bear Facts* by including a plethora of photos accessible via a link at the bottom of this page—more photos than a printed magazine format accommodates. This may spur some pleasant memories for those who attended, and may prompt a resolution to attend the next CWC for those who did not attend.



Col. Virginia M. Nelson, Pacific Region commander, is flanked by (L) Maj. Gen. Edward D. Phelka, CAP CEO/National Commander and (R) Col. Ross E. Veta, CAWG Commander, at the CWC General Session. Photo credit: CWC staff

[See addendum for additional CWC 2022 photos.](#)



FULLERTON MUNICIPAL AIRPORT

Proudly salutes the many great men & women who make up the California Civil Air Patrol!

4011 W. Commonwealth Ave.
Fullerton 714-738-6323
www.cityoffullerton/airport.ca.us

We salute & support California Civil Air Patrol!

STARJET

STARJETINC.COM
26 WASHINGTON BLVD.
MARINA DEL RAY
TOLL FREE:
(866) 300-JETS (5387)
(310) 301-9325



The World's Premier Provider of Aviation Services

18590 Readiness St.
Victorville
760-246-7794
www.millionair.com



ROBERT J. LUNG & ASSOCIATES
INCORPORATED
AERIAL MAPPING
PHOTOGRAPHY & ENGINEERING
REPRODUCTION

2832 Walnut Ave., Suite E
Tustin (714) 832-2077



LEIA SURVEYING CORP.
Land Surveying & Mapping • Court Diagrams
Legal Descriptions

Steve Leja
P.L.S. 5933

Phone:
(909) 797-3043
Cell: **(909) 709-6861**
13642 Highland Oaks Drive
Yucaipa, CA 92399
We salute California CAP!



We provide aircraft engine overhaul and cylinder overhaul for piston engines.
1965 Aviation Drive, Hangar A
Corona • **951-736-6452**
www.coronaengines.com

We Salute CAP!



www.AtlanticAviation.com

Atlantic Aviation
Santa Monica Airport (SMO)
Providing you with the safest, and most secure environment for business, commercial, and personal aircraft.
2828 Donald Douglas Loop
Santa Monica
(310) 396-6770
FAX (310) 399-3611



Lee Aerospace Products, Inc.

Thank you CAP for your ongoing work benefiting the aviation community of California!
(805) 527-1811

90 W. Easy St., #5 Simi Valley
www.leeaerospace-ca.com



LATH & PLASTERING CONTRACTORS

D.H. Smith Company, Inc.

Proudly salutes the Civil Air Patrol in their lifesaving efforts.
(408) 532-7617
6000 Hellyer Ave. #150
San Jose

Aerospace Education STEM Academy 2022

1st Lt. Paul Rivera, CAP

Aerospace Education is one of the three mandates for Civil Air Patrol. We are actively and passionately building the next generation of pilots, aerospace engineers, and aerospace-related careers through our Cadet Program. [One of the greatest experiences for our cadets is the annual CAWG Aerospace Education STEM Academy \(AESA\) event, which in 2022 took place on 16-23 July at Vandenberg Space Force Base in Lompoc, California.](#) (Vandenberg is a space launch base, launching spacecraft from the Western Range for the military, civil, and commercial space entities, and it also performs missile testing.) This week-long aerospace education (AE) and Science, Technology, Engineering, and Math (STEM)-focused activity provided once-in-a-lifetime experiences, a focus on STEM-related education and careers, leadership opportunities for cadets, and an unparalleled chance for cadets to interact with Vandenberg Space Force Base missile launch personnel.



Arriving at Vandenberg. Photo credit: Maj. Catherine Collom

AESA was jam-packed with activities all day long and kept the staff very busy helping the approximately 100 lucky cadets from across the state attending. Maj. Catherine Collom, Project Manager of AESA and current Director of Aerospace Education for the California Wing of CAP, organized and executed this important event with the help of a dedicated Senior and Cadet staff.

This year's AESA featured a rocketry theme. With the help of talented cadets, the Kerbal Space Software Program was introduced into the AESA program for the first time as part of the "rocketry theme" of the week. Kerbal is a spaceflight simulation program developed by Intercept Games that is used by NASA and the European Space Agency to teach the physics of spaceflight and the engineering of

**Mariposa - Yosemite
AIRPORT - KMPI**

- Scenic Flights
- Flight Training
- Aircraft Rental
- Auto Rental
- Charter Flights
- Air Taxi



Gift Certificates Available

209.966.2143

www.yosemiteaviation.com
5020 Macready Way, Mariposa, CA



Certified
Commercial
Divers

Specializing in Northern & Central
California Underwater Needs.

Doug & Staff are proud to salute & support
California Civil Air Patrol.
Keep up the good work!

530-898-1110
bigvalleydivers.com
P.O. Box 3284, Chico, CA 95927



*Our team salutes and supports
the CA Civil Air Patrol,
keep up the great work!*

call: **760-369-6791**

Store #5872 Yucca Valley
57672 29 Palms Hwy.

MACY'S · FLYING · SERVICE



We salute & support CAP!

Tulake Municipal Airport
530-664-2661
macysflying.com



707-252-0316

1700 Yajome St.
Napa, CA

We are
proud
to support
CAP!



A Journey With Wings
Tanabe Flying Services, inc.

- Cremated Remains Scattering
- State Parks • National Parks
- Deserts & Mountains • at Sea

www.aJourneyWithWings.com

800.407.6401 **Jamie Tanabe-Pilot**



HEATING · AIR CONDITIONING · SHEET METAL

Where you "Feel" the difference!
1085 East Avenue Lincoln, CA 95648
916-645-0882
www.astroairdesign.com



P.O. Box 156 • Richvale, CA 95974

For Crop Care By Air

Call: (530) 882-4286

Airplane & Helicopter Services

Sullivan Propeller

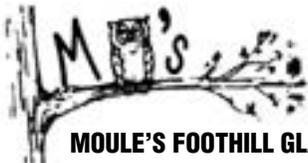


510-782-0920

Hartzell / McCauley
Sensenich / Woodward
FAA CRS S5UR963J

We are proud to salute and support the
volunteers of the Civil Air Patrol!

2156 American Ave. • Hayward



MOULE'S FOOTHILL GLASS, INC.

www.moulesfoothillglass.com

**We specialize in Service
and Installations!**

Residential & Commercial Storefront

Lic.#482054

(530) 885-4180

1029 Grass Valley Hwy., Auburn, CA

Maggie Moule Marfia/Owner

Lodi Airport

**AUTOMATED CREDIT CARD
FUEL SYSTEM 24 HRS DAY**

We proudly support the many fine men and women
of the CAP for their ongoing mission towards
search and rescue for downed and missing aircraft!

www.lodiairport.com



23987 N. Highway 99
Acampo, CA
209-369-9126

C and T



AVIATION

559.675.0183

4130 Aviation Drive, Madera, CA

spacecraft. Based on the cadet's skill with Kerbal, the cadets were given a mission that required critical thinking and collaboration skills in order to succeed with their assigned mission. This mission included designing and launching a rocket for a landing on the "Kerbal Mun," a simulated planetary satellite with characteristics meant to provide challenges to potential landings. The end results were spectacular, and assuredly future rocket engineers were created.

Of the tours provided, one included going through the Minuteman [Missile] Refurb area. This tour included background information on this project, which began in the 1960s and continues today. The cadets were escorted through the various areas of the hangers and shown the different tools and techniques used to prepare the missile components. One of the take-aways from the tour was that a college education is not needed to work on something this important. The cadets were introduced to skills that can be learned through trade schools that too prove exciting job opportunities, including working on missile components on a Space Force Base.



Kerbal students reviewing their orbit. Photo credit: Maj. Catherine Collom



Group picture in the "Refurb facility". Photo credit: Maj. Catherine Collom

The cadets were also provided a tour of the Vandenberg Tower that handles the air traffic in the vicinity. They were shown how the radar equipment in the tower is used and some facts about the airport, including that it is the 2nd longest runway in the U.S. (Edwards Air Force Base has the longest) as it was one of the locations for the Space Shuttle to land. Included in the tour was a class on how the air opera-

tions of the base are handled and how important they are to the aviation community. Joining the tour was the Mayor of Lompoc, the Hon. Jennelle Osborne.

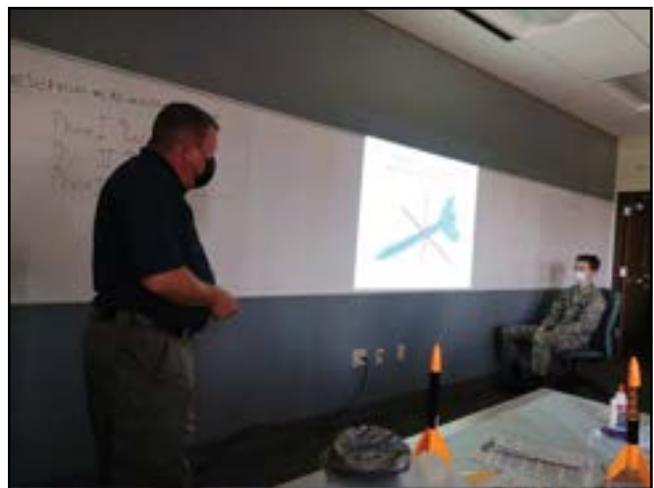
The week-long event concluded with CAP cadets being able to participate in multiple STEM related classes and tours of several Vandenberg Space Force Base areas of operation. The classes included; the Theory of Rocketry, Introduction into Space Exploration, an introduction into Sustainable Technology on Mars by Dr. Anita Sengupta, who is both a rocket scientist and active CAP member, Exploring Space: the Final Frontier by Astronaut Dr.



Introduction to work on the Minuteman missile. Photo credit: Maj. Catherine Collom



At the conclusion of a tower tour. Photo credit: Maj. Catherine Collom



Principles of Rocketry class. Photo credit: Maj. Catherine Collom

Dee Chester, a Lt. Colonel and former Director of Aerospace Education for the California Wing of CAP, the introduction of rocketry applied to military aircraft during the Vietnam war by Dr. Roger Dunn, a Vietnam pilot and former CAWG Director of Aerospace Education, and the construction and [launching of both single-stage and two-stage rockets](#)—which earned the cadets their rocketry badge.



Capt. Anita Sengupta discusses Living on Mars. Photo credit: Maj. Catherine Collom

The week culminated with the cadets graduating and earning their STEM badge. Many of them were also provided "O" rides over the course of the week with the help of volunteer pilots from all around the state. As they were reunited with their parents, many came up to Maj. Collom and said they had the best time and wanted to help with the 2023 AESA. Overall, the 2022 CAWG Aerospace Education STEM Academy was an out-of-this-world success!

Thanks to all the CAWG folks involved that made AESA 2022 a success:

Maj Catherine Collom, Lt. Col. Gregg Olsen, Lt. Col. Dee Chester, Maj. Paula Urbom-Shope, Lt. Col. Neil Kuykendal, Lt. Col. Stephen Dolgin, Lt. Col. Marc Cohen, 1st Lt. Deborah Alg, Lt. Col. Marguerite Leveque, 1st Lt. Daniel Neeley, Capt. Remi Nadau, Maj. Doug Miller, 1st Lt. Paul Rivera, Lt. Col. Mike Prusak, 1st Lt. Thomas Wilson, Maj. Jeffrey Buentgen, C/Maj Mary Foster, C/CMSgt David Clark, Lt. Col. Roger Dunn, Capt. Anita Sengupta, and 1st Lt. John Anderson.

Special thanks to the staff at Space Force Vandenberg: Capt. Trevor Bruce, Pete Dasis, Donald Prichard, Marisel Kigembe, Lt. Lo Grande, Capt. Andre Robinson, Robin Ghormley, Thomas Stevens.



@ HHR Airport

FAA certified
General Aviation
maintenance facility.

310-978-1095

3810 West 120th Street
Hawthorne, CA 90250
www.securityaviation.net

LEE'S CONCRETE Materials, Inc.

Fresno (559) 486-2440
Madera (559) 673-9189



200 S. Pine St.
Madera

We support
the efforts of
Civil Air Patrol!



Paso Robles, CA
805-238-4037

www.sintonhelicopters.com



Serv-Aero Engineering, Inc.

*Aircraft Equipment
Parts & Supplies Mfg.*

(831) 422-7866

37 Mortensen Ave., Salinas



Ford Meter Box Co. Inc.
Pipe Products Distributor

James K. Caraway

President

82360 Second St. • Trona, CA 93562
Trona: **760-372-5893**
Ridgecrest: **760-446-0084**

MarcAir

Air Charter • Air Cargo

*First Class transportation
anywhere you want to go!*

Lloyd Marcum - President

1270 Bur Clover Way, Arroyo Grande, CA 93420
421 Corie Court, Gardnerville, Nevada 89460
(805) 782-8111 • (775) 309-5007 • fax: (775) 380-8151
www.marcair.com



PART 61 FLIGHT SCHOOL

2410 Rickenbacker Way
Auburn, CA 95602
(530) 820-3442
www.sunshineflyers.com



EXECUTIVE JET CHARTER

*We salute the lifesaving efforts
of the Civil Air Patrol!*

818-988-7210

Fax: 818-988-4086
7401 Valjean Ave., Suite 100
Van Nuys, CA 91406

www.budsburgersvallejo.com



3849 Sonoma Blvd.
Vallejo, CA 94589

707-642-3252



Proud to support CAP!

(707) 445-3259
Eureka, CA

516 W. 15th Street
interstatebatteries.com



A big thanks to the Civil Air Patrol!



(805) 933-1155

800 E Santa Maria St.
Santa Paula, CA 93061

Proud to support
CAP!

Coast Hardware



5028 State Hwy. 140
Mariposa, CA

209-966-2527

www.coasthardwaremariposa.com

Wreaths Across America

Cadet 2nd Lt. James Reid, CAP

This year, Civil Air Patrol (CAP) members all over the world once again had the honor of participating in Wreaths Across America. Founded in 2007 by Morrill Worcester, Wreaths Across America is a nationwide non-profit organization dedicated to honoring the memory of those who have served in the U.S. military through wreath-laying ceremonies at locations throughout the U.S. and abroad-- primarily cemeteries and memorials. Squadrons throughout California Wing (CAWG) have participated in this tradition for years, and this year was no exception.

On Saturday, December 17th, the day Wreaths Across America was celebrated in 2022, countless squadrons throughout CAWG gathered to honor those who served. Two of these squadrons were the 45th Composite Squadron, who conducted their ceremony at the Riverside National Cemetery before distributing wreaths to visitors for them to place throughout the cemetery, and Lieutenant Colonel Arthur King Composite Squadron 50, who laid wreaths on the graves of fallen service members at the San Joaquin Valley National Cemetery.

Outside of CAWG, squadrons throughout the continental U.S. and overseas conducted their own ceremonies. In Virginia, cadets from Challenger 1 Cadet Squadron of CAP's National Capital Wing assisted veterans and active-duty service members in laying wreaths throughout Arlington National Cemetery, while in the Pacific, senior members and cadets from Hawaii Wing's Kaua'i Composite Squadron worked with other volunteers to lay 279 wreaths at the Kaua'i Veterans Cemetery.



U.S. military personnel help place wreaths atop tombstones during National Wreaths Across America Day on Dec. 17 at Memory Gardens Cemetery in Brea. Photo credit: Kevin Chang, Los Angeles Times



CAP members place wreath at the Air Force Memorial in Arlington, VA (adjacent to Arlington National Cemetery and overlooking the Pentagon). Photo credit: AF.mil

Arguably no other event exhibits the vast breadth and diversity of Civil Air Patrol more than Wreaths Across America. On one day, members of all ages and walks of life came together throughout the world to honor thousands of veterans for their innumerable sacrifices in protecting the United States. This is undeniably one of the most meaningful events CAP members participate in, and the California Wing is eternally grateful for having been able to support it for another great year.

The Chrome Stop



909-878-4900

40277 Big Bear Blvd. • Big Bear Lake, CA

Proud to salute CAP!

Dr. John L. Warwick

Salutes the men & women of Civil Air Patrol!

Thanks for your many efforts on behalf of the citizens of California!

205 W. Granger

Modesto 209-579-9930

Are you looking for a mechanic that will come to you!? Look no further! We work on ATV's, cars to big rig trucks and heavy machinery

WOODWARD

MOBILE MECHANIC

707-382-7525 BLUE LAKE, CA

We are proud to support CAP!



KAISERAIR, INC.

Care
Competence
Courtesy

2240 Airport Blvd.
Santa Rosa

707-528-7400

www.kaiserair.com



Headsets Plus

(877) 522-3525

headsetsplus.com

P.O. Box 1156, Chico, CA 95927



John W. Kizziar, D.D.S., Inc.

Salutes Civil Air Patrol,
Keep up the great work!

1 Brady Rd., Hayfork, CA 96041

(530) 628-4271 or (530) 628-4437

www.johnkizziardds.com

WE CREATE BEAUTIFUL SMILES



949-588-8079

lagunawoodsautorepair.com



23512 Commerce

Center Dr.
Laguna Hills
CA 92653



NOW HIRING DIVERSE TALENT
WWW.SCALED.COM/CAREERS

Antelope Valley Harley-Davidson



is proud to salute CAP!

661-948-5959

Fax: 661-942-4599

www.AntelopeValleyHD.com

1759 W. Avenue J-12 Lancaster



We are proud to back the lifesaving efforts of California Civil Air Patrol.



A&D PRECISION, INC.
CONTRACT MANUFACTURER
www.adprecision.com

(510) 657-6781

4155 Business Center Dr. • Fremont, CA

Golden State Aviation

"Learn to Fly" Flight Training

Best of Luck in your future lifesaving missions CAP!

1640 N. Johnson Ave.
El Cajon 619-449-0611

AlexPRINTING



We Do It All!

(760) 873-8650

163 N. Main • Bishop
In The Town & Country Center



Full-service helicopter operator in San Diego, CA - offering tours, charters, flights to Baja Mexico, aerial lift, utility projects, aerial photography, and flight training.

www.CorporateHelicopters.com



The country's largest and premier network of fixed base operations

Outstanding customer service and attention to detail set us apart in the aviation industry.

805-964-6733 / 1503 Cook Place, Santa Barbara

www.atlanticaviation.com

Thank You CAP for your ongoing efforts towards saving lives!



G.L. Gayler Construction, Inc.

General Engineering Contractor-Equipment Rental
ASPHALT, GRADING, CONCRETE, SEWER & WATER
License No. 524011

(760) 399-5308

Fax (760) 399-4210

Mobile (760) 774-5678



PROGRAM BASICS

KEY TRAITS OF CADET LIFE

- + The Uniform
- + Aerospace Theme
- + Opportunity to Lead
- + Challenge
- + Fun

CORE VALUES

- + Integrity
- + Service
- + Excellence
- + Respect

PROGRAM ENVIRONMENT

- + Adult volunteers supervise & mentor cadets
- + 1,000 hometown squadrons
- + 2 hour weekly meeting
- + 1 "Saturday" event monthly
- + Annual, week-long, overnight encampment
- + No military commitment

CONTENT AREAS

LEADERSHIP skills for a diverse, democratic society

AEROSPACE career explorations

FITNESS and the lifelong habit of regular exercise

CHARACTER for making good choices

OUR CHALLENGES

#1 FACTOR FOR SUCCESS

Strong adult leadership at the local level

#1 NEED FOR GROWTH

Financial support for disadvantaged youth

DEMOGRAPHICS

All statistics are rounded averages



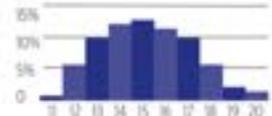
Total enrollment about 25,000



75% white
25% non-white



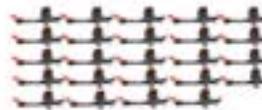
75% male
25% female



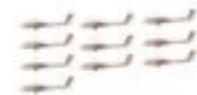
Median age 15.6



Out-of-pocket costs average \$200 - \$400. Financial aid is available.



24,000 powered flights yearly



10,000 glider flights yearly

OUTCOMES

CADETS

- 97% "CAP has been a turning point in my life."
- 96% "I've started to think more about my future because of CAP."
- 87% "I do things at CAP I can't do anywhere else."
- 82% "I earn As & Bs at school"
- 81% "I am interested in a military career."
- 76% "I am interested in an aviation career."
- 65% "I am interested in a STEM career."

PARENTS

- 95% "My cadet has become better at taking feedback."
- 92% "I've seen improvements in my cadet's overall attitude."
- 78% "My cadet's performance at school has improved."

LEARN MORE
GoCivilAirPatrol.com



CAPVA 60-102 Sept 22



We support the CAP!

777 N. First St., Ste. 600
SAN JOSE (408) 288-2400



Aircraft Maintenance & Service
818-899-7468
12659 Osborne St., Pacoima
www.ableaircorporation.com



We are proud to support the lifesaving missions of CAP

5216 Pacific Blvd., Huntington Park
(323) 587-4141 • www.aircraftxray.com

NICKSON'S MACHINE

805-925-2525
914 W. Betteravia Rd., Santa Maria
Serving the area with pride and quality service.

Susanville Aviation

Proudly salutes Civil Air Patrol.

Keep up the good work!



471-920 Johnstonville Rd.
Susanville 530-257-2030



REDDING MUNICIPAL AIRPORT
3775 Flight Ave.
Redding (530) 224-2300
www.reddingjet.com



Bi-Plane Sightseeing Tours
Hangar Rentals

HAROLD SCHOOLER
(530) 899-0110 • hkschooler@digitalpath.net

Caljet, Inc.

Proudly supports the many outstanding volunteers of California CAP!
16200 Daily Dr., Van Nuys
Aircraft Equipment, Parts & Supplies
818-376-0495 or 818-376-7570

Bomb & Indoor Skydiving Shelter
Wind Tunnel (951) 940-4290
Sports Bar and Grill (951) 943-4863
Thanks Civil Air Patrol!
2091 Goetz Rd., Perris
L 65 UNICOM 122775

107 S. Main St. • Bishop, CA 93514
(760) 873-4151
www.aeroheadcycles.com

MARTIN'S DUSTERS INC.

Quality Crop Care Since 1987
(530) 458-4354
Colusa
Keep up the good work CAP!

www.cogentsupplies.com

COGENT SOLUTIONS & SUPPLIES

(510) 307-4242 • (800) 237-3103 (916) 447-8384
Fax: (510) 307-4252 Fax: (916) 447-6131
3200 Regatta Blvd., Unit F 4040 Vista Park Court #10
Richmond, CA 94804 Sacramento, CA 95834

Air Charles

We're #1
27421 Avenue 12, Madera
(559) 674-9552
"Proud to Support CAP"

CRAIG C. HANSEN INSURANCE SERVICE, INC.

2103 Third St., Eureka, CA 95501
www.craighanseninsurance.com
(707) 303-2569

Maust's California Poultry

Fresh Eggs
Live Chickens
13107 E. End
Chino 909-517-3914

Valley Air Crafts

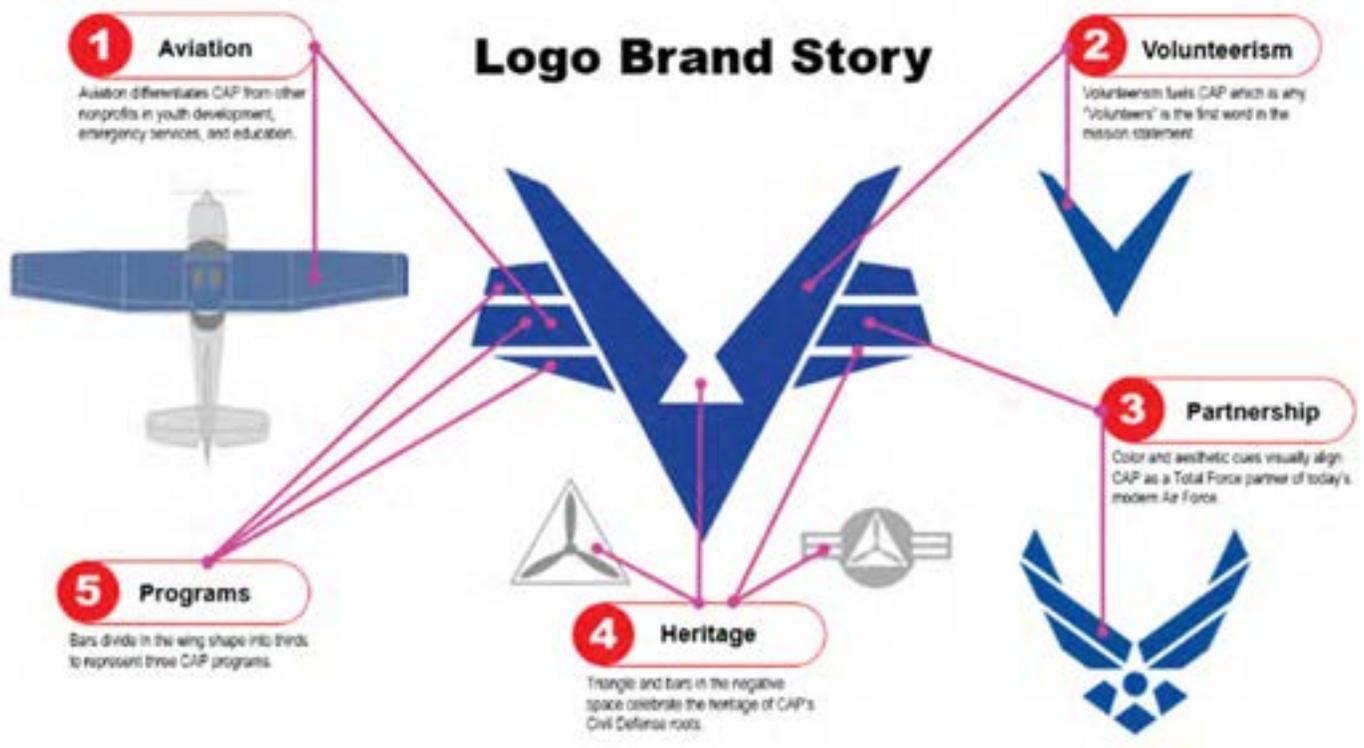
AIRCRAFT SERVICING & MAINTENANCE
We are proud to salute the men & women of Civil Air Patrol!
Tulare (559) 686-7401

FREE ESTIMATES • CONSULTATION • DESIGN • NEW CONSTRUCTION

SUPERIOR CRAFTSMANSHIP & COMPETITIVE PRICES
707-443-8842
TILE & STONE SHOWROOM
2ND & X, EUREKA
REMODEL • REPAIR • RETAIL & CONTRACTOR DISCOUNTS AVAILABLE

GAMjectors®

Performance Fuel Injection
Save Fuel
Run Cooler
Run Cleaner
888-FLY-GAMI (359-4264)
www.gami.com
Mention this ad for free Ground shipping within the Contiguous US.



Civil Air Patrol Launches Bold New Logo

Reprint from CAP.news

Civil Air Patrol is being transformed. Its level of sophistication has advanced significantly in recent years. For example, CAP's fleet is being transformed from "steam gauges" to glass cockpits that can be programmed to display and to fly CAP search grids. In fact, CAP no longer needs to wait for the weather to break or for the sun to rise to begin a search – we can start in minutes, using cellphone forensics and radar analysis.

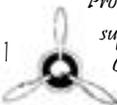
A similar level of sophistication touches every aspect of Civil Air Patrol – IT (Innovation), philanthropy (the CAP Foundation), cadet programs (Cadet Interactive), aerospace education (STEM — science, technology, engineering, and math), member education and training (Volunteer University), chaplain corps (resiliency programs), and now marketing too.

Over the past two years, Marketing and Strategic Communications (MAC) has been working to better align the CAP brand as a Total Force partner. The U.S. Air Force auxiliary's new logo tells a brand story about aviation, volunteerism, partnership, and heritage and projects a more youthful, modern, Air Force-style look.

CAP's Board of Governors voted unanimously April 23 to adopt the new logo, which "accomplishes several things and includes some unique benefits," said Randy Bolinger, chief of marketing and communications.

"The bottom line is, we are not Civil Air Patrol of the 1940s, and the new corporate identity makes that obvious," Bolinger said.

RH ROCKLIN HYDRAULICS
916-624-8900
 2304 Sierra Meadows Dr. • Rocklin, CA 95677
rocklinhydraulics.com

Golden State Propeller, Inc.
805-544-8356
 2741 McMillan Ave. #E-1
 San Luis Obispo, CA 
Proud to support CAP!

BUTCHER'S BLOCK & BUILDING MATERIALS

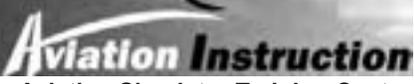
 41860 Big Bear Blvd. • P.O. Box 1569 • Big Bear Lake, CA 92315
909 866 5761 P • 909 866 1006 F


 Top Speed Data Communications
1310 Redwood Way,
 Suite 200 • Petaluma, CA
(707) 242-8266
www.TopSpeedData.com

14995 River Rd., Corona, CA
www.raahauges.com

(951) 735-7981


PROFESSIONAL BOAT ENGINE SALES, REPAIR & INSTALLATION
 Parts • Service • Installation
 Dynometer Tuning • Gas & Diesel
2807 Palma Drive • Ventura, CA
805-658-1709 • pacificmarinerepair.com


Aviation Instruction
 Aviation Simulator Training Center
Aviationsimulatortraining.com
 Camarillo, CA (KCMA)

Stephen L. German
 Certified Public Accountant
www.slgermancpa.com

 STEPHEN L. GERMAN
 ACCOUNTANCY CORPORATION
 1001 G St. • P.O. Box 1228 • Reedley, CA 93654
(559) 638-9248 • Fax: (559) 638-3803
(800) 538-TAXX • (800) 538-8299


Mariposa, CA
(209) 966-4082
www.allisonsierrainc.com


SMOKIN' BARREL FIREARMS
 3222 N. Demaree St., Ste. D
 Visalia, CA 93291
559-625-5855
www.smokinbarrelvisalia.com

PURE COLD REFRIGERATION
916-425-3834
 P.O. Box 581723, Elk Grove, CA 95758 


Michael McElvany
FARMERS INSURANCE
 267 N. 8th St. • El Centro, CA
(760) 352-3341

Valley Air Service
(530) 458-5181
 Colusa, CA
 Proud to support the CAP!


L&J AVIATION INC.
 lj-aviation.com
209.585.3262
 217 Capistrano Dr.
 Modesto • CA
Supporting CAP!

LOU TOBIN
 PROUDLY SUPPORTS THE LIFESAVING EFFORTS OF CIVIL AIR PATROL!
Buy Annuals - Call
707-290-6808

Harold Kaufman
 of Las Vegas, NV
 is proud to support
 Civil Air Patrol!

Advantage Aviation Aircraft

www.aacjet.com
 Palo Alto
650-494-6946
 1903 Embarcadero Rd., #100

DIAZ LIQUORS
 1709 Airline Hwy. Ste. D
 Hollister, CA
 831-637-9088


 41 Auto Center Dr.
 Ste. 111
 Foothill Ranch, CA
 92610
(949) 215-6000
vbarbershop.com

MARCARIAN SOLUTIONS CORP.
 16150 Spunky Canyon Rd., Santa Clarita, CA
(818) 645-3982 *Supporting CAP!*


T&M ELECTRIC
 Since 1990
 Service Calls
 Residential
 Commercial
530-676-8740
916-933-9404
tmelectricservices.com

Electro-Mechanical Repair, Inc.
 625 D East Haley Street, Santa Barbara
(805) 963-1894
 We are proud to
 support Civil Air Patrol!

Pine Flat Lake Marina
 BOAT RENTALS & BOAT SLIPS
559-787-2506
 30798 Sunnyslope Rd. • Sanger, CA 93657
pineflatlakemarina.com

DeVincenzi Architectural Products Group, Inc.
 Custom Metal Design & Fabrication
650-692-5806
 1717 Adrian Rd., Burlingame, CA 94010
We proudly support the lifesaving efforts of our Civil Air Patrol. Thanks and good luck!


United Rentals
 Everything you need!
 Plus Equipment
 Ridgecrest
760.446.7628


Farrell Smyth Inc.
 A Real Estate Company
(805) 543-2172 www.farrellsmyth.com
 21 Santa Rosa St., #100
 San Luis Obispo

Thank You CAP for your ongoing efforts towards saving lives! 

Mid-Field Aviation
21723 Cerrito Ave.
Apple Valley (760) 247-5766

Black Butte Towing 
800 U.S. 97 • Weed
530-938-1110 We support the CAP!

Descanso Beach Ocean Sports
Kayak & Snorkel ▶ Catalina Island
www.kayakcatalinaisland.com

LAC AVIONICS
www.lacavionics.com
1250 Aviation Ave., Ste. 110
San Jose 408-295-4144

 **Ralph J. Holsclaw** (530) 662-7341
President www.rsh@aol.com
41167 County Rd. 27
Woodland, CA 95776

 **AVIATION OXYGEN**
1-800-634-4744
408-923-2625
REID HILLVIEW AIRPORT • SAN JOSE
www.aviationoxygen.com

 **DICK GUSTAFSON**
Proudly salutes
the Civil Air Patrol!

 **Rock Shoe Resolers since 1981**
or 50,000 shoes later!
75-B N. Main St., Bishop, CA 93514
760.872.1363
www.rubberroomresoles.com

 **Best Western PLUS** 707-545-9000
SANTA ROSA
870 Hopper Ave.
Wine Country Inn & Suites

 **FAIRCHILD**
MEDICAL CENTER
fairchildmed.org
444 Bruce St | Yreka, CA (530) 842-4121

Midland Tractor Co.
1901 W. Cleveland
(559) 674-8757 Madera

 **INTEGRITY PLUMBING**
909-260-8915
25431 Santa Barbara St., Moreno Valley

Greg's Mobile Home Roofing
530-873-0538
P.O. Box 1465, Magalia, CA 95954

 **JUNE LAKE**
GENERAL STORE
(760) 648-7771 1 Main St., June Lake

Nor-Cal Transmissions
5814 Westside Rd., Redding
530-243-9008 NORCALTRANSMISSIONS.COM

WIN HOME INSPECTION
www.winfranchising.com
909-797-7800
34428 Yucaipa Blvd., Ste. E324
Yucaipa • California

ATLANTIC
www.atlanticaviation.com
760.930.0123 2100 Palomar Airport Rd.
Supports CAP! Calsbad, CA

DITEC MFG. ditecmfg.com
800.332.7083
1019 Mark Ave., Carpinteria, CA

BSL FIREARMS 
BUY, SELL, CONSIGN
Law Enforcement & Military Discounts
(951) 845-1203 www.bslfirearms.com

COARSGOLD **Cuts** 
Penny's
831.566.9203
35300 Hwy. 41, Ste. 202

RODEWAY INN 530-342-9472
1717 Park Ave.
Chico, CA

ACCO Cable Splicing
661-323-0461
3504 Buck Owens Ave. Bakersfield

MDC AIRCRAFT SERVICES
www.mdcaircraftservice.com (805) 581-9393
4550 Runway St., Unit C • Simi Valley

Wally's Tire & Wheel
559-846-6621
1020 N. Madera Ave., Kerman
www.wallystire.com

M&W PUMPS, INC.
805-925-1147
1226 W. Furukawa Way • Santa Maria
1912 Covillaud St. • Marysville, CA

 **Farmer's Marketplace**
530.743.6700

Haztech Systems
P.O. Box 929, Mariposa, CA 95338
(209) 966-8088


Thank you
California Civil Air
Patrol for all you do!

Air Carriage LLC
(530) 898-8616 / Fax: 530-898-8634
100 Piper Ave., Chico Municipal Airport

Jet West  A Salinas/Monterey Full Service FBO
& 1st Class Facility
(831) 422-9400 jetwestsalinas.com
280 Mortensen Ave., Salinas

BOAT & CAMPER STORAGE
925-447-6347
6271 Telsa Rd., Livermore
Proudly Supporting CAP!

AIRCRAFT ENGINES
559.651.1070 / Visalia
www.lycon.com
8231 W. Doe Ave.

SHEA SCHAT'S BAKERY 
Supports Civil Air Patrol!
760.934.6055
3305 Main St., Mammoth Lakes, CA

FLORADONNA'S 
Culery (661) 510-0480
706 W. Lancaster Blvd.
"sweet" 103, Lancaster, CA

Triple Creek Jersey
7387 Zanes Rd., Eureka
(707) 445-3616

Baswell Plumbing
415.897.7977
P.O. Box 831, Novato, CA 94948

HANS BOAT WORKS 
15366 Ave. 296 • Visalia, CA 93292
559-739-2628 hansboatworks.com

Reliance Aviation Propeller
Machine Shop 
530.549.5746 12010 Intermountain Rd.
F.A.A. Repair Station REDDING

HELIPLANNERS
aviation consultants • heliport and vertiport specialists
41689 Enterprise Cir N., Ste. 212, Temecula, CA
951-693-5090 www.heliplanners.com

Central Valley Engineering & Surveying Inc.
 2511 Logan St. • Selma, CA 93662
559-891-8811 cveas.com

 3100 Camino Del Rio
Bakersfield, CA 93308
661-323-7111
Bakersfield.DoubleTree.com

Mike's Aero, Inc. 
Parts & Service • Singles Thru Twins
707-965-2411 Angwin

Firebaugh Super Market 
1125 N Street
559-659-2217

updated an obsolete mission statement to accurately reflect who we are today.



“And who we are today, and since 2015, is a Total Force partner of the Air Force, not part of Civil Defense.”

Until the turn of the century, Air Force went through a 60-year stretch without modernizing its logo. Today’s Air Force logo is a more USAF logos accurate representation of a modern air force.

“While the Air Force beat CAP to the modernization wake-up call by more than two decades, CAP can now benefit from being able to take some visual cues from the Air Force logo to incorporate into our own,” Bolinger said.

“The new CAP logo is clearly in the same Air Force Total Force family, having borrowed inspiration from the wing shape and hiding the legacy shape (the Civilian Defense triangle) in the negative space as the Air Force did with the star and globe.

“We also added something blue – the logo color itself that closely aligns with the Air Force. In fact, the Air Force and CAP logos nest together quite nicely as if they are, well, partners.”

Best of Both Worlds

Regarding logo changes as part of brand refresh effort, love it, hate it, or undecided, there’s good news for all – the triblade lives on. While the new corporate logo (the “Flying V”) becomes the external persona of a Total Force partner, the triblade will remain part of CAP’s identity system in the command emblem used on aircraft, vehicles, flight suits, and countless more applications. Further, the triblade will remain the heart of the CAP seal.



The PowerPoint presentation shown to the Board of Governors before their vote approving the Flying V can be [downloaded here](#).

CAP’s [Brand Portal](#) provides high-resolution versions of the logo, instruction for proper use, new business card templates, website graphics, presentation templates, virtual backgrounds, and much more.

ATLANTIC

Proud to support our local
Civil Air Patrol - California Wing

We provide all the standard amenities
you would expect from a leading FBO
network, with a personal experience
you won't forget.



Atlantic Aviation - Fresno, CA (FAT)
(559) 251-1555 | www.atlanticaviation.com

Yolo County Airport



We at Yolo County Airport are proud
to salute the lifesaving missions of
the men and women in our
California Civil Air Patrol!

So Others May Live.

www.yolocounty.org



 **STAR Certified**

EMISSIONS TESTING COMPANY

- Fast Service
- Clean Waiting Rooms
- Free WiFi access

smogngo.com

WE SUPPORT YOU!

The Men and Women
of the Stanislaus County
Sheriff's Office

Support the
California Civil Air Patrol

www.scsdonline.com





FACT SHEET

2023



Civil Air Patrol: A Force for Good

About CAP

Civil Air Patrol is a congressionally chartered, federally funded, 501(c)(3) nonprofit corporation and the civilian auxiliary of the U.S. Air Force.

Operating in all 50 states, Puerto Rico and the District of Columbia, and more than 1,400 communities nationwide, CAP's aviation-connected volunteer professionals and engaged community members from a wide range of backgrounds and professions perform Air Force-assigned missions as a Total Force partner, as well as other federal, state and local agencies. These missions include search and rescue and other emergency services as well as disaster response, which CAP conducts for states/local communities as a nonprofit organization.

Civil Air Patrol's missions involve highly skilled personnel, light aircraft and vehicles, specialized communications and advanced imagery, and other technologies. CAP's core cadet and aerospace education programs are equally effective, providing a variety of innovative youth development initiatives and award-winning aviation/STEM resources.

Returning greater than \$3 in value for every \$1 spent, CAP provides unequalled value to our communities, states, and nation as a force for good.

GoCivilAirPatrol.com CAP.news

CAP National Headquarters:
105 S. Hansell St., Bldg. 714
Maxwell AFB, AL 36112-5937
877-227-9142

Our Impact

\$219M Value of Service

Civil Air Patrol contributed \$219,265,664 in volunteer hours in 2022, serving the disaster relief and emergency service needs of every American state and territory.

\$170 Per Flight Hour

Operating the world's largest fleet of single-engine piston aircraft, Civil Air Patrol operates its aircraft for only \$170 per flight hour, which makes CAP an unrivaled low-cost provider to help the Air Force achieve its pilot training objectives.

\$3:1 Return on Investment

Returning greater than \$3 in value for every \$1 spent in the past year, Civil Air Patrol provides unequalled value to our communities, states, and nation as a force for good.

95K Flight Hours

Civil Air Patrol flew 95,182 hours last year, conducting Air Force-assigned missions as well as support for states and communities. CAP pilots additionally provided 30,920 orientation flights to CAP cadets, as well as Air Force ROTC and Junior ROTC cadets.

60K+ Members

Civil Air Patrol consists of 1,414 squadrons in the 50 states, the District of Columbia, and Puerto Rico with more than 25,000 volunteer youth and 35,000 adult members.

151 Lives Saved

Using proprietary cellphone forensics and radar analysis technology (used in 95% of 525 searches in 2022), Civil Air Patrol was credited with 391 finds and saving 151 lives, making it one of the most successful years ever for the Air Force auxiliary's search and rescue efforts.

Proud to Support the
California Civil Air Patrol.



CLAY LACY

WORLD'S MOST EXPERIENCED OPERATOR OF PRIVATE JETS

claylacy.com

**MINTER
FIELD** SHAFTER
CA
AIRPORT DISTRICT

*We are proud to salute & support
the men, women, and young cadets
of California Civil Air Patrol,
your hard work and dedication towards
search and rescue is greatly appreciated.
Keep up the great work!*

www.minterfield.com

Shafter-Minter Field Airport (MIT)

Jet A and 100LL Fuel Available

201 Aviation St., Shafter, CA 93263 • (661) 393-0402

BONDING MADE EASY!

Alliant

ALLIANT
is a professional Surety Bond
Agency that is committed to
long-term successful relationship
with both our clients and our
surety companies.

We proudly support CAP!

151 Kalmus Dr., #A-201, Costa Mesa

714-546-5100

www.alliant.com

**PROVIDING FULL SERVICE AERIAL IMAGERY
THROUGHOUT CALIFORNIA AND THE WESTERN US**

F O C A L F L I G H T

226 West Ojai Ave., Ste. 101-173
Ojai, CA 93023-2406



(805) 630-0065 www.focalfight.com



Developing Tomorrow's Leaders Today

EMERGENCY SERVICES

- Conducts 90% of inland search and rescue in the U.S. as tasked by the Air Force Rescue Coordination Center and other agencies.
- Coordinates Air Force-assigned missions through CAP National Operations Center at Maxwell AFB, Ala., at a cost of about \$170 per flying hour.
- Has 5,400 aircrew members and 34,000 emergency professionals trained to Federal Emergency Management Agency standards.
- Provides more than 450 chaplains and 600 character development instructors who minister to youth and adult members and help comfort survivors and victims of disasters.
- Performs aerial reconnaissance for homeland security.
- Provides air intercept training, impact assessment, light transport, communications support and low-level route surveys for the Air Force.
- Provides post-disaster photography and support to local, state and national agencies.
- Transports time-sensitive medical materials, blood products, and body tissues when commercial resources are unavailable.
- Assists federal, state, and local law enforcement agencies in the war on drugs.
- Maintains an extensive VHF and HF communications network.

AEROSPACE EDUCATION

- Educates adult and cadet members and the community on the importance of aerospace.
- Develops, publishes, and distributes national academic standards-based science, technology, engineering, and mathematics (STEM) aerospace education curricula for kindergarten through college classrooms, affecting more than 500,000 K-12 students nationwide.
- Generates interest in STEM careers through aviation-, space-, and technology focused activities and CAP "STEM Kits" associated with astronomy, flight simulations, model and remote-control aircraft, robotics, rocketry, weather, hydraulic engineering, and computer programming.
- Provides educators with 40+ free educational programs and products as well as services that include teacher orientation flights.
- Offers grant and college credit opportunities for adult and teacher members.
- Provides aerospace support for educational conferences and workshops nationwide.

CADET PROGRAMS

- Attracts more than 25,000 members ages 12 through 20 for participation in its cadet programs.
- Educates youth in four main program areas — leadership, aerospace, fitness, and character development.
- Enriches school curricula through after-school programs.
- Offers orientation flights in powered and glider aircraft, as well as flight training scholarships.
- Provides activities and competitions for cadets at the local, state, regional, and national levels.
- Makes opportunities for community involvement available through color guard/drill team and emergency service missions.
- Challenges youth to be ambassadors for a drug-free lifestyle.
- Exposes thousands of cadets to cyber defense careers through CyberPatriot, the Air & Space Forces Association National Youth Cyber Security Competition.
- Accounts for about 10% of the cadets who make up each of the U.S. Air Force Academy's classes.
- Enables cadets who have earned the Gen. Billy Mitchell Award to enlist in the Air Force, U.S. Army, and U.S. Coast Guard at a higher pay grade.
- Participates in the International Air Cadet Exchange program.
- Awards college scholarships in several disciplines.

STILL CLIMBING

As a Vital Economic Partner
in Our Community



183 District Owned Hangars



- 100 T-HANGARS
- 31 CORPORATE HANGARS
- 8 CORPORATE T-HANGARS

2,500 acres

SMX

8,004 ft. Runway

The longest commercial runway on the Central Coast

Community

Aviation

Education



12 EMPLOYEES 8 SELECTED BOARD MEMBERS

SMX TO VEGAS

allegiant



SACRAMENTO'S PREMIER
PRIVATELY-OWNED, PUBLIC USE
AIRPORT.



24/7. 365 ON-SITE FBO

MCCLELLAN, CA • 877.877.5387 • FLYKMCC.COM

MCCLELLANJETSERVICES.COM Powered By: Shell Aviation

We proudly support the
California Civil Air
Patrol.



Sonoma
JET CENTER

KSTS Santa Rosa, CA



Carlsbad
JET CENTER

KCRQ Carlsbad, CA

707-274-6607

3694 E. Hwy. 20 • Nice, CA

Lake
Builders
Supply



Thank You Civil Air Patrol
for all you do!

True Value.

COAST HARDWARE & RADIO SHACK

300 N. Main St., Fort Bragg, CA 95437

(707) 964-2318

COAST HARDWARE

101 E. Barbara Ln. • Willits, CA 95490

(707) 459-2201

REDLANDS

MUNICIPAL AIRPORT - REI

1755 Sessums Drive, Redlands, CA 92374

(909) 798-7655

Hangars available for rent

24 hour operations for takeoffs and landings

Self Serve AvGas available on the field through
Redlands Aviation - (909) 262-0596

Flight Schools and Aircraft Maintenance @ REI

CAP Members are always welcome @ REI



Compliments of a friend...

**Supporting
California
Civil Air Patrol!**

Signature

FLIGHT SUPPORT

A BBA Aviation company



Santa Barbara Municipal Airport

515 Marxmiller Place, CA • 805.681.6861

www.signatureflight.com

ARNOLD & ARNOLD

I N C O R P O R A T E D



ADJUSTERS . SURVEYORS . INVESTIGATORS

Specialty Claims Services since 1971

24 Hours Claims Contact

claims@arnoldoffice.com

Tel (800) 207-9301 Fax (800) 207-9024

Aviation – Marine – CGL – Cargo

Risk Management – Loss Control – Loss Management

Claims Services

FORTY-TWO OPERATING LOCATIONS:

SAN DIEGO, LOS ANGELES-LONG BEACH, SAN FRANCISCO AREA, TRINIDAD, SEATTLE, AUSTIN, SAN ANTONIO, HOUSTON, LIMA, ATLANTA, LAS CRUCES, BROOKFIELD, BIRMINGHAM, LIGHTHOUSE POINT, BONITA SPRINGS, PANAMA CITY BEACH, FRISCO, MARLBOROUGH, JULIAN, CHEYENNE, CASTLE ROCK, GOLD CREEK, VIENNA, SALT LAKE CITY, LAKEWOOD, SEWELL, CENTRAL OREGON, PORTLAND (BOTH MAINE AND OREGON), HONOLULU, HAVASU CITY, CAPE GIRARDEAU, OKLAHOMA CITY, MINNEAPOLIS, NEW HAMPTON, PITTSBURGH, NEWTON, JULIAN, ELLENSBURG, FREDERICKSBURG, LAS VEGAS, TUCSON, PHOENIX & FLAGSTAFF

AND TEAM OFFICES COVERING ALL 50 STATES,

CANADA, MEXICO, SOUTH AND CENTRAL AMERICA AND THE PACIFIC - CLAIMS HANDLING
HEMISPHERE WIDE